UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: JUL 24 1997

Subject: Review of Region 5 Data for General Hydraulics Code:ZZ

From: Charles T. Elly, Director Chuck Elly
Region 5 Central Regional Laboratory

To:

Attached are the results for General Hydraulics Code:ZZ
CRL request number 970311
for analyses for ICP
Results are reported for sample designations: 97IE06S01, 97IE06S02, 97IE06D02, 97IE06S03, 97IE06S04 and 97IE06R01

Results Status:
(x) Acceptable for Use
( ) Data Qualified, but Acceptable for use
( ) Data Unacceptable for Use

Comments on Data Quality by Reviewer

All QC measures were met.

Comments by Laboratory Director or Quality Control Coordinator

Review Record for General Hydraulics Code:ZZ

John M Morris 18 July 97

Peer/Task Monitor Review and Date (✓) Reviewed ( ) Unreviewed

[illegible] 18 July 97

Team Leader and Date (✓) Reviewed ( ) Unreviewed

Chuck E Ng 7/18/97

QC Coordinator and Date ( ) Reviewed (✓) Unreviewed
(position vacant)

Sylvia Griffin JUL 21 1997

Data Management Coordinator and Date Received

Date Transmitted JUL 21 1997

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML - 10C

Received by and Date

Comments:

RD
7-9-97

Method Number: 200.7 Site Name: General Hyraulics & ResWell PE

Date Generated: June 27, 1997 Work Unit Number: 05-97104

Author: R.Dilg,Lockheed-ESAT TDF Number: 5104-110 & 5104-109

Charge Number: ESE-51-089 &ESE-51-088

ICP NARRATIVE

This narrative covers the analysis of 6 water samples (970311) from the above first named site sampled on June 25th for ICP metals analysis. Also, the June(May) inorganic analysis PE sample (970131) dated 5-9-97 was also analyzed for ICP metals analysis.

Data Set	Sample Nos.
970311	97IE06S01, S02, D02, S03, S04, R01
970131	97OI16S01

Routine CRL microwave digestion procedures were used to prepare the samples for ICP analysis. The sample digests were analyzed using the 1160 ICP unit along with analysis run method SED5; the ICP analysis run results were stored to RUN 772. The sample digests were also analyzed for K using the TJA 61 along with analysis run method K_ONLY; the ICP analysis results were stored to RUN 772K.

RUN 772

The following lists the out-of-control QC audit check results for analysis run 772:

(Note: Since the K channel was not usable, the K values indicated in the raw run data and in the QC reports are not included in the listing below.)

AQCs:	AQC 1:	Al3961	5.1%R
		Be2348	5.3 "
	AQC 1A:	Fe2599	5.5 "
		Mg279L	6.9 "

All As, Cd, and Pb sample results were too low to be reliably reported using ICP values. Refer to GFAA and / or FIAS analyses for reported As, Cd, and Pb sample results.

The ICP instrument was restandardized just prior to the start of the sample analysis run; the applicable mid range QC audit checks (AQC's) preceding this run began with AQC 1B. All Al, Be, Fe, and Mg sample results are usable.

RD
7-9-97

RUN 772 (continued)

Since the RLIMS was unavailable at this time, simulated or "RLIMS-like" sample report forms were generated and were edited using Word Perfect so that the sample analysis data could be reported at least via hard copy reports. In addition, no RLIMS entry was performed as of the time of the writing of this case narrative.

RUN 772K

All K sample results are usable.

LOCKHEED MARTIN ESAT CONTRACT
DATA SET CUSTODY TRANSFER FORM

DATA SET NUMBER 970311 & 970131 PWO NUMBER ESE51089 & ESE51088

SITE NAME: GENERAL HYDRAULICS & MAY(JUNE) ROSWELL PE TDF NUMBER 5104-110 & 5104-109

PARAMETER: ICAP MATRIX: WATER

SF DU/ACT NO: TFA 301 Y ____ /C ____

SAMPLE NUMBERS: 97IE06S01, S02, D02, S03, S04, R01
970I16S01

NUMBER OF SAMPLES: 6 + 1

ESAT APPROVALS:

Analyst	7-7-97 Date	Task Group Leader	7/8/97 Date
QA/QC Coordinator	7-8-97 Date	ESAT Team Manager	for D. Miller 7-9-97 Date

COMMENTS: _____

The above identified data set was transferred from ESAT custody to the custody of the U.S. EPA Region V Central Regional Laboratory in its entirety on the indicated date relinquished.

Relinquished by	7-9-97 Date	Received by	9 July 97 Date

EPA APPROVALS:

EPA WAM	18 July 97 Date

[x] Reviewed
[ ] Unreviewed
[x] Accepted
[ ] Rejected
[ ] Returned: _____ Date

COMMENTS: _____

~~Section Chief~~ TL	18 July 97 Date	[x] Reviewed	[ ] Unreviewed
ESAT RPO	Date	Sylvia Griffin 7/21/97 / 7/21/97 DATA COORDINATOR/RECD/TRANSMTD	

A COPY OF THIS CUSTODY TRANSFER FORM WITH A RECEIVED BY EPA SIGNATURE IS TO BE FILED IN THE TDF FILE. THE ORIGINAL CUSTODY TRANSFER ACCOMPANIES THE DATA SET TO BE APPROVED BY THE EPA AND A COMPLETED COPY RETURNED TO ESAT.

EPA CRL - REGION V
FINAL RESULTS REPORT
REPORT PRODUCED ON: 3 JULY 97

SAMPLE OGANIZATION: IEPA
SAMPLE BATCH ID: 970311
SAMPLE REQUESTOR: MARK WAGNER
ACCOUNT NO: TFA301
LABORATORY: ESAT
SAMPLE FACILITY: GENERAL HYDRAULICS

SAMPLE: 97IE06S01
FIELD: 97IE06S01

COLLECTED:
RECEIVED: 26 JUNE 97
ANALYZED: 2 JULY 97

COMPOUND	AMOUNT	(Units)
Aluminum	80 U	(ug/L)
Barium	50.4	(ug/L)
Beryllium	1 U	(ug/L)
Calcium	77900	(ug/L)
Chromium	10 U	(ug/L)
Cobalt	6 U	(ug/L)
Copper	6 U	(ug/L)
Iron	80 U	(ug/L)
Magnesium	35800	(ug/L)
Manganese	5 U	(ug/L)
Nickel	20 U	(ug/L)
Potassium	5000 U	(ug/L)
Silver	6 U	(ug/L)
Sodium	12700	(ug/L)
Vanadium	5 U	(ug/L)
Zinc	40 U	(ug/L)

ANALYZED BY: [signature] 7-7-97

[signature] 8 July 97

EPA CRL - REGION V
FINAL RESULTS REPORT
REPORT PRODUCED ON: 3 JULY 97

SAMPLE OGANIZATION: IEPA
SAMPLE BATCH ID: 970311
SAMPLE REQUESTOR: MARK WAGNER
ACCOUNT NO: TFA301
LABORATORY: ESAT
SAMPLE FACILITY: GENERAL HYDRAULICS

SAMPLE: 97IE06S02
FIELD: 97IE06S02

COLLECTED:
RECEIVED: 26 JUNE 97
ANALYZED: 2 JULY 97

COMPOUND	AMOUNT	(Units)
Aluminum	80 U	(ug/L)
Barium	49.6	(ug/L)
Beryllium	1 U	(ug/L)
Calcium	80000	(ug/L)
Chromium	10 U	(ug/L)
Cobalt	6 U	(ug/L)
Copper	6.2	(ug/L)
Iron	80 U	(ug/L)
Magnesium	36100	(ug/L)
Manganese	5 U	(ug/L)
Nickel	20 U	(ug/L)
Potassium	5000 U	(ug/L)
Silver	6 U	(ug/L)
Sodium	16300	(ug/L)
Vanadium	5 U	(ug/L)
Zinc	40 U	(ug/L)

ANALYZED BY: [signature] 7-7-97

[signature] 18 July 97

EPA CRL - REGION V
FINAL RESULTS REPORT
REPORT PRODUCED ON: 3 JULY 97

SAMPLE OGANIZATION: IEPA — SAMPLE BATCH ID: 970311
SAMPLE REQUESTOR: MARK WAGNER — ACCOUNT NO: TFA301
LABORATORY: ESAT — SAMPLE FACILITY: GENERAL HYDRAULICS

SAMPLE: 97IE06D02 — FIELD: 97IE06D02

COLLECTED: — RECEIVED: 26 JUNE 97 — ANALYZED: 2 JULY 97

COMPOUND	AMOUNT	(Units)
Aluminum	80 U	(ug/L)
Barium	49.5	(ug/L)
Beryllium	1 U	(ug/L)
Calcium	80200	(ug/L)
Chromium	10 U	(ug/L)
Cobalt	6 U	(ug/L)
Copper	6 U	(ug/L)
Iron	80 U	(ug/L)
Magnesium	36300	(ug/L)
Manganese	5 U	(ug/L)
Nickel	20 U	(ug/L)
Potassium	5000 U	(ug/L)
Silver	6 U	(ug/L)
Sodium	16300	(ug/L)
Vanadium	5 U	(ug/L)
Zinc	40 U	(ug/L)

ANALYZED BY: [signature] 7-7-97

[signature] 18 July 97

EPA CRL - REGION V
FINAL RESULTS REPORT
REPORT PRODUCED ON: 3 JULY 97

SAMPLE OGANIZATION: IEPA
SAMPLE BATCH ID: 970311
SAMPLE REQUESTOR: MARK WAGNER
ACCOUNT NO: TFA301
LABORATORY: ESAT
SAMPLE FACILITY: GENERAL HYDRAULICS

SAMPLE: 97IE06S03
FIELD: 97IE06S03

COLLECTED:
RECEIVED: 26 JUNE 97
ANALYZED: 2 JULY 97

COMPOUND	AMOUNT	(Units)
Aluminum	80 U	(ug/L)
Barium	53.2	(ug/L)
Beryllium	1 U	(ug/L)
Calcium	80200	(ug/L)
Chromium	10 U	(ug/L)
Cobalt	6 U	(ug/L)
Copper	9.1	(ug/L)
Iron	80 U	(ug/L)
Magnesium	36500	(ug/L)
Manganese	5 U	(ug/L)
Nickel	20 U	(ug/L)
Potassium	5000 U	(ug/L)
Silver	6 U	(ug/L)
Sodium	15200	(ug/L)
Vanadium	5 U	(ug/L)
Zinc	40 U	(ug/L)

ANALYZED BY: [signature] 7-7-97

[signature] 18 July 97

EPA CRL - REGION V
FINAL RESULTS REPORT
REPORT PRODUCED ON: 3 JULY 97

SAMPLE OGANIZATION: IEPA — SAMPLE BATCH ID: 970311
SAMPLE REQUESTOR: MARK WAGNER — ACCOUNT NO: TFA301
LABORATORY: ESAT — SAMPLE FACILITY: GENERAL HYDRAULICS

SAMPLE: 97IE06S04 — FIELD: 97IE06S04

COLLECTED: — RECEIVED: 26 JUNE 97 — ANALYZED: 2 JULY 97

COMPOUND	AMOUNT	(Units)
Aluminum	80 U	(ug/L)
Barium	58.2	(ug/L)
Beryllium	1 U	(ug/L)
Calcium	94200	(ug/L)
Chromium	10 U	(ug/L)
Cobalt	6 U	(ug/L)
Copper	6 U	(ug/L)
Iron	80 U	(ug/L)
Magnesium	40000	(ug/L)
Manganese	5 U	(ug/L)
Nickel	20 U	(ug/L)
Potassium	5000 U	(ug/L)
Silver	6 U	(ug/L)
Sodium	28500	(ug/L)
Vanadium	5 U	(ug/L)
Zinc	153	(ug/L)

ANALYZED BY: RD 7-7-97

Jun 18 July 97

EPA CRL - REGION V
FINAL RESULTS REPORT
REPORT PRODUCED ON: 3 JULY 97

SAMPLE OGANIZATION: IEPA
SAMPLE BATCH ID: 970311
SAMPLE REQUESTOR: MARK WAGNER
ACCOUNT NO: TFA301
LABORATORY: ESAT
SAMPLE FACILITY: GENERAL HYDRAULICS

SAMPLE: 97IE06R01
FIELD: 97IE06R01

COLLECTED:
RECEIVED: 26 JUNE 97
ANALYZED: 2 JULY 97

COMPOUND	AMOUNT	(Units)
Aluminum	80 U	(ug/L)
Barium	6 U	(ug/L)
Beryllium	1 U	(ug/L)
Calcium	500 U	(ug/L)
Chromium	10 U	(ug/L)
Cobalt	6 U	(ug/L)
Copper	6 U	(ug/L)
Iron	80 U	(ug/L)
Magnesium	100 U	(ug/L)
Manganese	5 U	(ug/L)
Nickel	20 U	(ug/L)
Potassium	5000 U	(ug/L)
Silver	6 U	(ug/L)
Sodium	1000 U	(ug/L)
Vanadium	5 U	(ug/L)
Zinc	40 U	(ug/L)

ANALYZED BY: RD 7-18-97

18 July 97

GB
7-7-97

DIGESTION RECORD

Prepared By: RD **Date:** 7-2-97 **Run Number:** 772

CRL MICROWAVE

#	Data Set	Sample Number	Notes	#	Data Set	Sample Number	Notes
9	970311	97IE06S01					
8		S02					
7		D02					
6		S03					
19		S03	DUP				
18		S03	SPIKE +5 ml A,B,C				
17		S03	MS_SPIKE +0.5 ml *				
16		S04					
A4		R01					
A5		DIGEST BLANK					
A6		970I16S01	PM149				
A3		MDL/LCS	+5 ml MDL soln				

Comments: 50ml ALIQUOTS

* ICP_MS SPIKE SOLUTION:

4 ppm As
4 ppm Se
4 ppm Tl
4 ppm Sb
2 ppm Pb
1 ppm Cd

RD
7-7-97

Samples analyzed by SED5_AL on 07/02/97 stored in file RUN772 .

Data set	Sample id	Correction Factor	Dig QC	Ins QC
10 ppm	CU IEC	0.00010	IEC	S
400 ppm	AL IEC	0.00250	IEC	S
400 ppm	FE IEC	0.00250	IEC	S
10 ppm	AS IEC	0.00010	IEC	S
10 ppm	CR IEC	0.00010	IEC	S
10 ppm	V IEC	0.00010	IEC	S
100 ppm	CA IEC	0.01000	IEC	S
	INSTR BLANK 1	1.00000		B
	AQC EV1&2 1	1.00000		Q
	HIGH AQC EV3 1	1.00000		Q
	INSTR BLANK 1A	1.00000		B
	AQC EV1&2 1A	1.00000		Q
	INSTR BLANK 1B	1.00000		B
	AQC EV1&2 1B	1.00000		Q
RUN 772	DIGESTION BLANK	1.22000		B
RUN 772	MDL / LCS	1.32000		Q
970131	970I16S01	1.22000		S
970311	97IE06S01	1.22000		S
970311	97IE06S02	1.22000		S
970311	97IE06D02	1.22000		S
970311	97IE06S03	1.22000	SMP1	S
970311	97IE06S03	1.22000	DUP1	S
970311	97IE06S03	1.52000	SPK1	S
970311	97IE06S03	1.23000		S
970311	97IE06S04	1.22000		S
970311	97IE06R01	1.22000		S
	INSTR BLANK 2	1.00000		B
	AQC EV1&2 2	1.00000		Q
	HIGH AQC EV3 2	1.00000		Q

QD
7-7-97

BLANK REPORT

Blank name INSTR BLANK 1

Date analyzed 07/02/97 File name RUN772

Element	Blank Value	Detection limit	Units
Al3082	56.10	20000.0	ug/L
Al3961	-45.05	80.0	ug/L
As1936	-30.14	50.0	ug/L
Ba4934	0.52	6.0	ug/L
Be2348	0.06	1.0	ug/L
B_2496	5.76	80.0	ug/L
Cd2288	-2.82	10.0	ug/L
Ca3158	21.00	20000.0	ug/L
Ca3933	10.80	500.0	ug/L
Cr2055	-4.45	10.0	ug/L
Co2286	-2.14	6.0	ug/L
Cu3247	-0.81	6.0	ug/L
Fe2599	10.59	80.0	ug/L
Fe2714	81.30	20000.0	ug/L
Pb2203	13.11	70.0	ug/L
Li6707	3.74	10.0	ug/L
Mg279H	-9.50	10000.0	ug/L
Mg279L	2.50	100.0	ug/L
Mn2576	0.36	5.0	ug/L
Mo2020	1.44	15.0	ug/L
Ni2316	-3.03	20.0	ug/L
K_7664	517.20	5000.0	ug/L
Ag3280	1.28	6.0	ug/L
Na5889	3.70	1000.0	ug/L
Sr4215	0.44	10.0	ug/L
Sn1899	6.90	40.0	ug/L
Ti3349	1.43	25.0	ug/L
V_2924	-2.05	5.0	ug/L
Y_3710	-0.33	5.0	ug/L
Zn2138	0.33	40.0	ug/L
Zn4810	309.80	20000.0	ug/L

All values for the blank are less than detection limit.

7-7-97

BLANK REPORT

Blank name INSTR BLANK 1A

Date analyzed 07/02/97 File name RUN772

Element	Blank Value	Detection limit	Units
Al3082	42.10	20000.0	ug/L
Al3961	-26.94	80.0	ug/L
As1936	-49.95	50.0	ug/L
Ba4934	1.27	6.0	ug/L
Be2348	0.22	1.0	ug/L
B_2496	6.10	80.0	ug/L
Cd2288	0.68	10.0	ug/L
Ca3158	19.10	20000.0	ug/L
Ca3933	2.80	500.0	ug/L
Cr2055	-4.71	10.0	ug/L
Co2286	-2.17	6.0	ug/L
Cu3247	-1.98	6.0	ug/L
Fe2599	13.47	80.0	ug/L
Fe2714	81.30	20000.0	ug/L
Pb2203	0.77	70.0	ug/L
Li6707	0.00	10.0	ug/L
Mg279H	-4.00	10000.0	ug/L
Mg279L	8.50	100.0	ug/L
Mn2576	0.30	5.0	ug/L
Mo2020	-0.04	15.0	ug/L
Ni2316	7.43	20.0	ug/L
K_7664	-6724.10 *	5000.0	ug/L
Ag3280	1.03	6.0	ug/L
Na5889	15.60	1000.0	ug/L
Sr4215	0.53	10.0	ug/L
Sn1899	10.14	40.0	ug/L
Ti3349	2.46	25.0	ug/L
V_2924	-0.34	5.0	ug/L
Y_3710	-0.44	5.0	ug/L
Zn2138	0.67	40.0	ug/L
Zn4810	312.30	20000.0	ug/L

Some elements have blank values greater than detection limit.

These elements are K.

RB
7-7-97

BLANK REPORT

Blank name INSTR BLANK 1B

Date analyzed 07/02/97 File name RUN772

Element	Blank Value	Detection limit	Units
Al3082	56.10	20000.0	ug/L
Al3961	-19.92	80.0	ug/L
As1936	-23.84	50.0	ug/L
Ba4934	2.07	6.0	ug/L
Be2348	0.31	1.0	ug/L
B_2496	11.27	80.0	ug/L
Cd2288	-0.87	10.0	ug/L
Ca3158	31.00	20000.0	ug/L
Ca3933	1.00	500.0	ug/L
Cr2055	-5.93	10.0	ug/L
Co2286	1.86	6.0	ug/L
Cu3247	-2.63	6.0	ug/L
Fe2599	2.83	80.0	ug/L
Fe2714	148.70	20000.0	ug/L
Pb2203	15.91	70.0	ug/L
Li6707	7.48	10.0	ug/L
Mg279H	-3.90	10000.0	ug/L
Mg279L	5.90	100.0	ug/L
Mn2576	0.69	5.0	ug/L
Mo2020	1.45	15.0	ug/L
Ni2316	-9.43	20.0	ug/L
K_7664	-1810.30	5000.0	ug/L
Ag3280	-0.79	6.0	ug/L
Na5889	45.40	1000.0	ug/L
Sr4215	0.27	10.0	ug/L
Sn1899	7.62	40.0	ug/L
Ti3349	3.07	25.0	ug/L
V_2924	-1.31	5.0	ug/L
Y_3710	0.22	5.0	ug/L
Zn2138	0.03	40.0	ug/L
Zn4810	361.00	20000.0	ug/L

All values for the blank are less than detection limit.

RD
7-7-97

BLANK REPORT

Blank name INSTR BLANK 2

Date analyzed 07/02/97 File name RUN772

Element	Blank Value	Detection limit	Units
Al3082	-126.30	20000.0	ug/L
Al3961	-14.72	80.0	ug/L
As1936	-25.86	50.0	ug/L
Ba4934	0.24	6.0	ug/L
Be2348	-0.29	1.0	ug/L
B_2496	-5.49	80.0	ug/L
Cd2288	0.70	10.0	ug/L
Ca3158	8.90	20000.0	ug/L
Ca3933	9.70	500.0	ug/L
Cr2055	-2.36	10.0	ug/L
Co2286	1.38	6.0	ug/L
Cu3247	-0.69	6.0	ug/L
Fe2599	-14.17	80.0	ug/L
Fe2714	-69.20	20000.0	ug/L
Pb2203	17.18	70.0	ug/L
Li6707	-1.87	10.0	ug/L
Mg279H	-5.40	10000.0	ug/L
Mg279L	4.30	100.0	ug/L
Mn2576	-0.98	5.0	ug/L
Mo2020	3.25	15.0	ug/L
Ni2316	-8.82	20.0	ug/L
K_7664	-6465.50 *	5000.0	ug/L
Ag3280	2.27	6.0	ug/L
Na5889	-81.70	1000.0	ug/L
Sr4215	-0.88	10.0	ug/L
Sn1899	10.11	40.0	ug/L
Ti3349	-2.66	25.0	ug/L
V_2924	0.57	5.0	ug/L
Y_3710	-0.11	5.0	ug/L
Zn2138	-2.60	40.0	ug/L
Zn4810	-90.30	20000.0	ug/L

Some elements have blank values greater than detection limit.

These elements are K.

DD
7-7-97

BLANK REPORT

Blank name DIGESTION BLANK RUN 772

Date analyzed 07/02/97 File name RUN772

Element	Blank Value	Detection limit	Units
Al3082	8.60	20000.0	ug/L
Al3961	-56.04	80.0	ug/L
As1936	-13.89	50.0	ug/L
Ba4934	1.36	6.0	ug/L
Be2348	0.37	1.0	ug/L
B_2496	4.09	80.0	ug/L
Cd2288	-0.17	10.0	ug/L
Ca3158	4.90	20000.0	ug/L
Ca3933	-15.00	500.0	ug/L
Cr2055	-5.42	10.0	ug/L
Co2286	3.29	6.0	ug/L
Cu3247	-4.65	6.0	ug/L
Fe2599	-17.28	80.0	ug/L
Fe2714	110.20	20000.0	ug/L
Pb2203	40.98	70.0	ug/L
Li6707	9.12	10.0	ug/L
Mg279H	-11.00	10000.0	ug/L
Mg279L	0.70	100.0	ug/L
Mn2576	0.20	5.0	ug/L
Mo2020	-1.45	15.0	ug/L
Ni2316	-8.16	20.0	ug/L
K_7664	-3155.20	5000.0	ug/L
Ag3280	1.93	6.0	ug/L
Na5889	-14.00	1000.0	ug/L
Sr4215	0.11	10.0	ug/L
Sn1899	-1.52	40.0	ug/L
Ti3349	2.00	25.0	ug/L
V_2924	-0.22	5.0	ug/L
Y_3710	-0.13	5.0	ug/L
Zn2138	-0.61	40.0	ug/L
Zn4810	398.80	20000.0	ug/L

All values for the blank are less than detection limit.

RD
7-7-97

QUALITY CONTROL SAMPLE REPORT

QC ID AQC EV1&2 1 Operator RD

Date analyzed 07/02/97 File name RUN772

Element	Found Value	True Value	Percent Deviation	Units
Al3961	5254.0	5000.0	5.1% *	ug/L
As1936	5083.2	5000.0	1.7%	ug/L
Ba4934	5122.6	5000.0	2.5%	ug/L
Be2348	5210.4	5000.0	4.2%	ug/L
B_2496	5266.1	5000.0	5.3% *	ug/L
Cd2288	5113.6	5000.0	2.3%	ug/L
Ca3933	5198.4	5000.0	4.0%	ug/L
Cr2055	5047.1	5000.0	0.9%	ug/L
Co2286	5140.6	5000.0	2.8%	ug/L
Cu3247	5169.6	5000.0	3.4%	ug/L
Fe2599	5177.4	5000.0	3.5%	ug/L
Pb2203	5043.6	5000.0	0.9%	ug/L
Li6707	5204.7	5000.0	4.1%	ug/L
Mg279L	5196.5	5000.0	3.9%	ug/L
Mn2576	5193.4	5000.0	3.9%	ug/L
Mo2020	5054.8	5000.0	1.1%	ug/L
Ni2316	5167.1	5000.0	3.3%	ug/L
Ag3280	494.2	500.0	1.2%	ug/L
Sr4215	5216.3	5000.0	4.3%	ug/L
Sn1899	4981.3	5000.0	0.4%	ug/L
Ti3349	5054.7	5000.0	1.1%	ug/L
V_2924	5067.4	5000.0	1.3%	ug/L
Zn2138	5050.0	5000.0	1.0%	ug/L

Some elements are outside of 5 % limit. These elements are Al, B

These elements must be removed from the reported samples affected by this audit or some explanation of validity offered.

RD
7-7-97

QUALITY CONTROL SAMPLE REPORT

QC ID ABC EV1&2 1A Operator RD

Date analyzed 07/02/97 File name RUN772

Element	Found Value	True Value	Percent Deviation	Units
Al3961	5158.3	5000.0	3.2%	ug/L
As1936	5165.7	5000.0	3.3%	ug/L
Ba4934	5143.1	5000.0	2.9%	ug/L
Be2348	5088.1	5000.0	1.8%	ug/L
B_2496	5149.9	5000.0	3.0%	ug/L
Cd2288	5154.3	5000.0	3.1%	ug/L
Ca3933	5039.7	5000.0	0.8%	ug/L
Cr2055	5131.3	5000.0	2.6%	ug/L
Co2286	5218.3	5000.0	4.4%	ug/L
Cu3247	5223.2	5000.0	4.5%	ug/L
Fe2599	5273.0	5000.0	5.5% *	ug/L
Pb2203	5119.8	5000.0	2.4%	ug/L
Li6707	5216.8	5000.0	4.3%	ug/L
Mg279L	5342.9	5000.0	6.9% *	ug/L
Mn2576	5068.1	5000.0	1.4%	ug/L
Mo2020	5142.0	5000.0	2.8%	ug/L
Ni2316	5231.2	5000.0	4.6%	ug/L
Ag3280	505.0	500.0	1.0%	ug/L
Sr4215	5249.7	5000.0	5.0%	ug/L
Sn1899	5095.5	5000.0	1.9%	ug/L
Ti3349	5097.2	5000.0	1.9%	ug/L
V_2924	5113.2	5000.0	2.3%	ug/L
Zn2138	5109.2	5000.0	2.2%	ug/L

Some elements are outside of 5 % limit. These elements are Fe, Mg.

These elements must be removed from the reported samples affected by this audit or some explanation of validity offered.

RD

7-7-97

QUALITY CONTROL SAMPLE REPORT

QC ID AQC EV1&2 1B

Operator RD

Date analyzed 07/02/97

File name RUN772

Element	Found Value	True Value	Percent Deviation	Units
Al3961	4971.6	5000.0	0.6%	ug/L
As1936	5021.3	5000.0	0.4%	ug/L
Ba4934	4936.4	5000.0	1.3%	ug/L
Be2348	4909.8	5000.0	1.8%	ug/L
B_2496	4950.2	5000.0	1.0%	ug/L
Cd2288	4989.5	5000.0	0.2%	ug/L
Ca3933	4834.2	5000.0	3.3%	ug/L
Cr2055	4934.8	5000.0	1.3%	ug/L
Co2286	4993.8	5000.0	0.1%	ug/L
Cu3247	5034.2	5000.0	0.7%	ug/L
Fe2599	4981.1	5000.0	0.4%	ug/L
Pb2203	5001.2	5000.0	0.0%	ug/L
Li6707	5030.8	5000.0	0.6%	ug/L
Mg279L	5018.2	5000.0	0.4%	ug/L
Mn2576	4905.1	5000.0	1.9%	ug/L
Mo2020	4980.5	5000.0	0.4%	ug/L
Ni2316	5097.4	5000.0	1.9%	ug/L
Ag3280	486.7	500.0	2.7%	ug/L
Sr4215	5016.6	5000.0	0.3%	ug/L
Sn1899	4937.8	5000.0	1.2%	ug/L
Ti3349	4913.4	5000.0	1.7%	ug/L
V_2924	4920.8	5000.0	1.6%	ug/L
Zn2138	4956.2	5000.0	0.9%	ug/L

All elements are within 5 % of the expected limit.

RD
7-7-97

QUALITY CONTROL SAMPLE REPORT

QC ID AQC EV1&2 2 Operator RD

Date analyzed 07/02/97 File name RUN772

Element	Found Value	True Value	Percent Deviation	Units
Al3961	5139.6	5000.0	2.8%	ug/L
As1936	5151.9	5000.0	3.0%	ug/L
Ba4934	5119.2	5000.0	2.4%	ug/L
Be2348	5052.5	5000.0	1.1%	ug/L
B_2496	5113.6	5000.0	2.3%	ug/L
Cd2288	5132.2	5000.0	2.6%	ug/L
Ca3933	5032.3	5000.0	0.6%	ug/L
Cr2055	5079.9	5000.0	1.6%	ug/L
Co2286	5139.9	5000.0	2.8%	ug/L
Cu3247	5195.8	5000.0	3.9%	ug/L
Fe2599	5096.4	5000.0	1.9%	ug/L
Pb2203	5091.0	5000.0	1.8%	ug/L
Li6707	5202.8	5000.0	4.1%	ug/L
Mg279L	5192.2	5000.0	3.8%	ug/L
Mn2576	5058.3	5000.0	1.2%	ug/L
Mo2020	5139.0	5000.0	2.8%	ug/L
Ni2316	5232.5	5000.0	4.7%	ug/L
Ag3280	497.3	500.0	0.5%	ug/L
Sr4215	5201.8	5000.0	4.0%	ug/L
Sn1899	5028.8	5000.0	0.6%	ug/L
Ti3349	5076.9	5000.0	1.5%	ug/L
V_2924	5065.7	5000.0	1.3%	ug/L
Zn2138	5093.2	5000.0	1.9%	ug/L

All elements are within 5 % of the expected limit.

RD
7-7-97

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH AQC EV3 1 Operator RD

Date analyzed 07/02/97 File name RUN772

Element	Found Value	True Value	Percent Deviation	Units
Al3082	103096.1	100000.0	3.1%	ug/L
Ca3158	103086.8	100000.0	3.1%	ug/L
Fe2714	102307.7	100000.0	2.3%	ug/L
Mg279H	61341.1	60000.0	2.2%	ug/L
K_7664	144525.9	100000.0	44.5% *	ug/L
Na5889	104228.2	100000.0	4.2%	ug/L
Zn4810	99928.0	100000.0	0.1%	ug/L

Some elements are outside of 10 % limit. These elements are K.

7-7-97

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH AQC EV3 2 Operator RD

Date analyzed 07/02/97 File name RUN772

Element	Found Value	True Value	Percent Deviation	Units
Al3082	102394.7	100000.0	2.4%	ug/L
Ca3158	102839.4	100000.0	2.8%	ug/L
Fe2714	101781.9	100000.0	1.8%	ug/L
Mg279H	62032.3	60000.0	3.4%	ug/L
K_7664	141379.3	100000.0	41.4% *	ug/L
Na5889	103450.6	100000.0	3.5%	ug/L
Zn4810	99081.5	100000.0	0.9%	ug/L

Some elements are outside of 10 % limit. These elements are K.

RD
7-7-97

DUPLICATE

Sample 970311 971E06503 Operator RD

Date Analyzed 07/02/97 Correction 1.22000 File RUN772

Element	Units	Sample	Duplicate	Difference	Detect Limit	RPD
Al3082	ug/L	68	60	-9	20000	0%
Al3961	ug/L	-8	11	18	80	1833%
As1936	ug/L	-34	-41	-7	50	19%
Ba4934	ug/L	53	53	0	6	-1%
Be2348	ug/L	-1	-1	0	1	-9%
B_2496	ug/L	41	45	5	80	11%
Cd2288	ug/L	-1	-2	-1	10	111%
Ca3158	ug/L	80170	79922	-248	20000	0%
Ca3933	ug/L	99473	99167	-306	500	0%
Cr2055	ug/L	-5	-5	0	10	2%
Co2286	ug/L	3	1	-2	6	-96%
Cu3247	ug/L	9	8	-1	6	-18%
Fe2599	ug/L	51	60	8	80	15%
Fe2714	ug/L	764	827	63	20000	6%
Pb2203	ug/L	19	-16	-35	70	0%
Li6707	ug/L	52	59	7	10	12%
Mg279H	ug/L	36453	36395	-58	10000	0%
Mg279L	ug/L	38678	38615	-63	100	0%
Mn2576	ug/L	1	1	0	5	21%
Mo2020	ug/L	-1	0	2	15	-151%
Ni2316	ug/L	-2	-6	-4	20	102%
K_7664	ug/L	158	158	0	5000	0%
Ag3280	ug/L	1	1	-1	6	-54%
Na5889	ug/L	15149	15181	32	1000	0%
Sr4215	ug/L	97	97	0	10	0%
Sn1899	ug/L	4	17	14	40	123%
Ti3349	ug/L	3	4	1	25	42%
V_2924	ug/L	0	0	0	5	0%
Y_3710	ug/L	0	0	0	5	0%
Zn2138	ug/L	13	12	0	40	-3%
Fe4810	ug/L	277	527	250	20000	0%

All duplicates values are within either 10% relative percent difference or the detection limit of each other.

RD
7-7-97

SPIKE COMPARISON

Sample 970511 97IE06803 Analyzed by RD

Date Analyzed 07/02/97 Spike Correction 1.52000 File RUN772

Element	Units	Sample	Spike	Spike Added	Recovery
Al3082	ug/L	68	1000	800	93%
Al3961	ug/L	-8	803	800	101%
Ba4934	ug/L	53	257	200	102%
Be2348	ug/L	-1	10	10	107%
B_2496	ug/L	41	834	800	99%
Cd2288	ug/L	-1	49	50	99%
Ca3158	ug/L	80170	132000	50000	104%
Cr2055	ug/L	-5	96	100	101%
Co2286	ug/L	3	100	100	97%
Cu3247	ug/L	9	63	50	108%
Fe2599	ug/L	51	905	800	107%
Pb2203	ug/L	19	806	800	98%
Li6707	ug/L	52	134	75	109%
Mg279H	ug/L	36453	62000	25000	102%
Mg279L	ug/L	38678	66000	25000	109%
Mn2576	ug/L	1	105	100	104%
Mo2020	ug/L	-1	102	100	103%
Ni2316	ug/L	-2	142	150	96%
K_7664	ug/L	158	19000	50000	38% *
Ag3280	ug/L	1	49	50	96%
Na5889	ug/L	15149	66000	50000	102%
Sr4215	ug/L	97	1097	1000	100%
Sn1899	ug/L	4	408	400	101%
Ti3349	ug/L	3	105	100	102%
V_2924	ug/L	0	50	50	101%
Y_3710	ug/L	0	49	50	98%
Zn2138	ug/L	13	427	400	104%

Some spike recoveries are not within the 15% limit. The affected elements are K.

RD
7-7-97

LCS / MDL CHECK SOLUTION REPORT

Sample name MDL / LCS Date 07/02/97 File RUN772

Correction factor 1.32000

Element	Found value	True value	Percent Deviation	Units
As1936	224.1	250	-10.4%	ug/L
Be4934	30.0	30	0.0%	ug/L
Be2348	9.8	10	-2.0%	ug/L
Cd2288	52.5	50	5.0%	ug/L
Cr2055	47.8	50	-4.4%	ug/L
Cu3247	25.0	30	-16.7%	ug/L
Pb2203	436.6	400	9.2%	ug/L
Mn2576	24.3	25	-2.8%	ug/L
Ni2316	86.5	100	-13.5%	ug/L

QA
7-7-97

Samples analyzed by KONLY on 07/03/97 stored in file RUN772K .

Data set	Sample id	Correction Factor	Dig QC	Ins QC
	HIGH AQC EV3 1	1.00000		C
	INSTR BLANK 1	1.00000		B
RUN 772	MDL / LCS	1.32000		C
RUN 772	DIGESTION BLANK	1.22000		B
970131	97DI16S01	1.22000		S
970311	97IE06S01	1.22000		S
970311	97IE06S02	1.22000		S
970311	97IE06D02	1.22000		S
970311	97IE06S03	1.22000	SMP1	S
970311	97IE06S03	1.22000	DUP1	S
970311	97IE06S03	1.52000	SPK1	S
970311	97IE06S03	1.23000		S
970311	97IE06S04	1.22000		S
970311	97IE06R01	1.22000		S
	HIGH AQC EV3 2	1.00000		C
	INSTR BLANK 2	1.00000		B

QD
7-7-97

BLANK REPORT

Blank name INSTR BLANK 1

Date analyzed 07/03/97 File name RUN772K

Element	Blank Value	Detection limit	Units
K_7664	458.70	5000.0	ug/L

All values for the blank are less than detection limit.

QB
7-7-97

BLANK REPORT

Blank name INSTR BLANK 2

Date analyzed 07/03/97 File name RUN772K

Element	Blank Value	Detection limit	Units
K_7664	991.70	5000.0	ug/L

All values for the blank are less than detection limit.

RD
7-7-97

BLANK REPORT

Blank name DIGESTION BLANK RUN 772

Date analyzed 07/03/97 File name RUN772K

Element	Blank Value	Detection limit	Units
K_7664	538.40	5000.0	ug/L

All values for the blank are less than detection limit.

RD
7-7-97

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH AQC EV3 1 Operator RD

Date analyzed 07/03/97 File name RUN772K

Element	Found Value	True Value	Percent Deviation	Units
K_7664	103074.3	100000.0	3.1%	ug/L

All elements within 10 % of true value.

7-7-97

QUALITY CONTROL SAMPLE REPORT

QC ID HIGH AQC EV3 2 Operator RD

Date analyzed 07/03/97 File name RUN772K

Element	Found Value	True Value	Percent Deviation	Units
K_7664	106101.6	100000.0	6.1%	ug/L

All elements within 10 % of true value.

7-7-97

DUPLICATE

Sample 970311 97IE06503 Operator RD

Date Analyzed 07/03/97 Correction 1.22000 File RUN772K

Element	Units	Sample	Duplicate	Difference	Detect Limit	RPD
K_7664	ug/L	3699	3905	206	5000	5%

All duplicates values are within either 10% relative percent difference or the detection limit of each other.

QD
7797

SPIKE COMPARISON

Sample 970311 9715U6503 Analyzed by RD

Date Analyzed 07/03/97 Spike Correction 1.52000 File RUN772K

Element	Units	Sample	Spike	Spike Added	Recovery
K_7664	ug/L	3699	30000	25000	105%

All spike recoveries are within 15% of the expected value.

RUN 772
RB 3 JULY 97

Method: SED5_AL Standard: blank

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	.20307	.01827	-.01140	-.00010	.05327	.23240	.00247
#1	.20280	.02440	.02160	.00030	.05340	.23320	.00550
#2	.20280	.01200	-.04400	-.00020	.05320	.23440	.00080
#3	.20360	.01840	-.01180	-.00040	.05320	.22960	.00110

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	.58587	.0407	.00333	.00260	.00147	.19613	.55773
#1	.58480	.0408	.00900	-.00220	.00300	.19520	.55940
#2	.58840	.0404	.00160	.00680	-.00060	.19660	.55700
#3	.58440	.0408	-.00060	.00320	.00200	.19660	.55680

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	-.00063	.06360	.02000	.02000	.13707	-.00087	-.00067
#1	.00190	.06360	.02000	.02000	.13680	-.00880	-.00120
#2	-.00040	.06360	.02000	.02000	.13720	.00580	.00000
#3	-.00340	.06360	.02000	.02000	.13720	.00040	-.00080

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Avge	.02287	-.00150	.93407	.09147	-.00587	.20040	.00240
#1	.01760	-.00140	.93540	.09120	.00380	.20080	.00440
#2	.02460	-.00180	.93120	.09160	-.01180	.19960	.00220
#3	.02640	-.00130	.93560	.09160	-.00960	.20080	.00060

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Avge	.00007	.23147	1.0099	.20307	.97040
#1	.00060	.23080	1.0104	.20280	.97140
#2	-.00040	.23160	1.0068	.20280	.96900
#3	.00000	.23200	1.0126	.20360	.97080

Method: SED5_AL Standard: ten1

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	.20920	.10607	5.1610	-.00023	.05493	.24540	.23363
#1	.20840	.10620	5.1154	-.00030	.05480	.24300	.23960
#2	.21040	.10340	5.1650	-.00060	.05520	.24720	.24030
#3	.20880	.10860	5.2026	.00020	.05480	.24600	.22100

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	.61927	.0552	7.6414	23.379	-.00833	.20900	.61800
#1	.61960	.0548	7.5640	23.204	-.00940	.20920	.61720
#2	.61920	.0552	7.6858	23.452	-.00740	.20840	.61960
#3	.61900	.0556	7.6744	23.481	-.00820	.20940	.61720

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	1.2390	.77693	10.757	10.757	.14040	29.665	.00260
#1	1.2237	.77240	10.673	10.673	.14000	29.394	.00100

#2	1.2465	.77640	10.784	10.784	.14040	29.833	.00420
#3	1.2468	.78200	10.814	10.814	.14080	29.768	.00260
Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Avge	.01340	.36303	15.467	15.082	4.7358	.20240	-.54280
#1	.01900	.36140	15.357	14.982	4.6918	.20240	-.53680
#2	.01240	.36270	15.494	15.102	4.7202	.20320	-.54200
#3	.00880	.36500	15.549	15.163	4.7954	.20160	-.54960
Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396		
Avge	6.0878	.23453	1.0053	.20920	1.0615		
#1	6.0418	.23160	1.0048	.20840	1.0618		
#2	6.1008	.23600	1.0088	.21040	1.0598		
#3	6.1208	.23600	1.0024	.20880	1.0630		

Method: SED5_AL Standard: ten2

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	.21393	-.00460	.00880	.00030	20.469	6.3841	19.340
#1	.21400	-.00300	.03800	.00040	20.512	6.4096	19.374
#2	.21420	-.00680	-.01520	.00020	20.422	6.3594	19.318
#3	.21360	-.00400	.00360	.00030	20.472	6.3834	19.328
Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	3.7498	13.77	-.07133	-.05107	3.9791	.25400	.63673
#1	3.7600	13.81	-.07000	-.04300	3.9886	.25360	.63680
#2	3.7452	13.73	-.07280	-.04880	3.9718	.25420	.63760
#3	3.7442	13.78	-.07120	-.06140	3.9770	.25420	.63580
Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	.06560	.06373	.02493	.02493	14.448	.00933	2.1971
#1	.06860	.06360	.02520	.02520	14.492	.01700	2.1976
#2	.06340	.06360	.02480	.02480	14.413	.01460	2.1949
#3	.06480	.06400	.02480	.02480	14.439	-.00360	2.1988
Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Avge	.17753	-.03757	.92120	.09280	.00220	.20093	12.517
#1	.17920	-.03690	.92900	.09320	-.00200	.20120	12.551
#2	.17400	-.03770	.92300	.09280	.00440	.20120	12.492
#3	.17940	-.03810	.91160	.09240	.00420	.20040	12.508
Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396		
Avge	.00073	16.048	1.2740	.21393	1.0264		
#1	.00160	16.083	1.2770	.21400	1.0252		
#2	.00020	16.019	1.2708	.21420	1.0276		
#3	.00040	16.043	1.2742	.21360	1.0264		

Method: SED5_AL Standard: ten3

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	.41887	2.3370	.00607	8.3839	.06693	.26440	.00203
#1	.41720	2.3202	.02560	8.3288	.06720	.26700	.00650
#2	.41640	2.3136	-.00360	8.2920	.06640	.26380	-.00280
#3	.42300	2.3772	-.00380	8.5310	.06720	.26240	.00240

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	.61320	.0512	.00147	.05400	.00320	2.2741	.98847
#1	.61240	.0512	.00200	.05700	.00300	2.2588	.98560
#2	.61460	.0508	-.00160	.05120	.00300	2.2548	.98400
#3	.61260	.0516	.00400	.05380	.00360	2.3088	.99580

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	-.00277	.06453	51.560	51.560	.14873	.00653	.00110
#1	-.00010	.06480	51.177	51.177	.14920	.02740	.00190
#2	-.00430	.06400	51.094	51.094	.14840	-.01020	.00200
#3	-.00390	.06480	52.410	52.410	.14860	.00240	-.00060

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Avge	.01693	-.00453	.93180	.09227	.01713	6.7158	.00980
#1	.01940	-.00450	.93320	.09200	.01900	6.6690	.01020
#2	.01520	-.00470	.93940	.09240	.01360	6.6510	.00940
#3	.01620	-.00440	.92280	.09240	.01880	6.8274	.00980

Elem	Y_3710	Zn2138	Zn4810	2Al308	2Al396
Avge	-.00007	.24380	1.0139	.41887	3.3261
#1	-.00040	.24240	1.0150	.41720	3.3092
#2	.00000	.24380	1.0140	.41640	3.3012
#3	.00020	.24520	1.0128	.42300	3.3680

Method: SED5_AL Standard: cazn

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	.20273	-.26953	-.02067	.00117	.05453	.23920	-.00240
#1	.20240	-.26680	-.01760	.00160	.05480	.24040	-.00560
#2	.20300	-.27220	-.00780	.00100	.05440	.23640	-.00180
#3	.20280	-.26960	-.03660	.00090	.05440	.24080	.00020

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	126.03	199.0	-.00533	.00373	.00120	.20620	.55893
#1	125.69	198.8	-.00120	.00400	.00240	.20620	.55840
#2	127.00	199.2	-.00240	.00840	-.00120	.20620	.55800
#3	125.39	199.0	-.01240	-.00120	.00240	.20620	.56040

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	-.00053	.07440	.03400	.03400	.13900	.07047	-.00050
#1	.00450	.07440	.03600	.03600	.13900	.08720	-.00200

#2	-.00340	.07440	.03360	.03360	.13960	.05200	-.00060
#3	-.00270	.07440	.03240	.03240	.13840	.07220	.00110

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Avge	.01880	-.00327	.92847	.10787	-.00073	.22713	-.00040
#1	.02220	-.00260	.92720	.10800	.00520	.22700	.00080
#2	.01420	-.00360	.92780	.10800	-.00400	.22800	-.00340
#3	.02000	-.00360	.93040	.10760	-.00340	.22640	.00140

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Avge	.00207	486.69	11.941	.20273	3.2037
#1	.00200	486.70	11.927	.20240	3.2024
#2	.00240	486.69	12.014	.20300	3.2154
#3	.00180	486.69	11.882	.20280	3.1932

Method: SED5_AL Standard: alfe

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	7.8061	86.516	.91280	.00167	.41387	.30500	-.01033
#1	7.7996	86.461	.92700	.00180	.41220	.30720	-.01440
#2	7.8160	86.609	.94060	.00180	.41620	.30460	-.00630
#3	7.8026	86.478	.87080	.00140	.41320	.30320	-.01030

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	.83453	1.105	-.01373	.00547	-.05227	79.265	15.976
#1	.83920	1.123	-.01920	.00300	-.05280	79.170	15.950
#2	.83760	1.112	-.00640	.00700	-.05220	79.339	15.992
#3	.82680	1.079	-.01560	.00640	-.05180	79.286	15.984

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	-.13863	.06453	.03153	.03153	.33867	-.05967	.00040
#1	-.13490	.06400	.03160	.03160	.33820	-.04920	-.00040
#2	-.13800	.06480	.03200	.03200	.33840	-.07200	.00000
#3	-.14300	.06480	.03100	.03100	.33940	-.05780	.00160

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Avge	.01300	-.04340	.92787	.09247	-.03173	.20160	-.01887
#1	.00700	-.04250	.92240	.09240	-.02840	.20160	-.01980
#2	.01240	-.04320	.92840	.09260	-.04120	.20160	-.02260
#3	.01960	-.04450	.93280	.09240	-.02560	.20160	-.01420

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Avge	.00240	.46067	1.0187	7.8061	88.856
#1	.00280	.48540	1.0180	7.7996	88.802
#2	.00220	.46640	1.0184	7.8160	88.956
#3	.00220	.43020	1.0196	7.8026	88.810

Method: SED5_AL

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	alfe	blank	52.6108	-10.6835	07/02/97 01:51:37
Al3961	396.153	ten3	blank	4312.70	-78.7786	07/02/97 01:46:13
As1936	193.696	ten1	blank	1933.34	22.0401	07/02/97 01:41:06
Ba4934	493.409	ten3	blank	1192.74	.119274	07/02/97 01:46:13
Be2348	234.861	ten2	blank	489.830	-26.0916	07/02/97 01:43:50
B_2496	249.678	ten2	blank	1625.56	-377.780	07/02/97 01:43:50
Cd2288	228.802	ten2	blank	517.126	-1.27558	07/02/97 01:43:50
Ca3158	315.887	cazn	blank	3.18869	-1.86815	07/02/97 01:49:07
Ca3933	393.367	ten2	blank	1.99935	-.017777	07/02/97 01:43:50
Cr2055	205.552	ten1	blank	1309.23	-4.36411	07/02/97 01:41:06
Co2286	228.616	ten1	blank	427.781	-1.11223	07/02/97 01:41:06
Cu3247	324.754	ten2	blank	2514.04	-3.68725	07/02/97 01:43:50
Fe2599	259.940	ten3	blank	4812.32	-943.856	07/02/97 01:46:13
Fe2714	271.441	alfe	blank	25.9440	-14.4699	07/02/97 01:51:37
Pb2203	220.350	ten1	blank	8066.90	5.10904	07/02/97 01:41:06
Li6707	670.784	ten1	blank	14018.7	-891.589	07/02/97 01:41:06
Mg279H	279.553	ten3	blank	1.35856	.004559	07/02/97 01:46:13
Mg279L	279.553	ten1	blank	1.48683	.001993	07/02/97 01:41:06
Mn2576	257.610	ten2	blank	698.773	-95.7785	07/02/97 01:43:50
Mo2020	202.030	ten1	blank	337.089	.292144	07/02/97 01:41:06
Ni2316	231.604	ten2	blank	4550.07	3.03338	07/02/97 01:43:50
K_7664	766.490	ten2	blank	646.552	-14.7845	07/02/97 01:43:50
Ag3280	328.068	ten1	blank	2743.23	4.11485	07/02/97 01:41:06
Na5889	588.995	ten1	blank	6.88105	-6.42736	07/02/97 01:41:06
Sr4215	421.552	ten1	blank	667.070	-61.0147	07/02/97 01:41:06
Sn1899	189.989	ten1	blank	2108.96	12.3726	07/02/97 01:41:06
Ti3349	334.941	ten3	blank	1534.83	-307.579	07/02/97 01:46:13
V_2924	292.402	ten2	blank	799.067	-1.91776	07/02/97 01:43:50
Y_3710	371.029	ten1	blank	1642.65	-.109510	07/02/97 01:41:06
Zn2138	213.856	ten2	blank	632.234	-146.341	07/02/97 01:43:50
Zn4810	481.053	cazn	blank	36.5930	-36.9564	07/02/97 01:49:07
2Al308	308.215	ten3	blank	46339.2	-9409.95	07/02/97 01:46:13
2Al396	396.153	ten3	blank	4244.96	-4119.31	07/02/97 01:46:13

Method: SED5_AL Sample Name: CU IEC Operator: RD
Run Time: 07/02/97 13:54:54
Comment: 10 ppm
Mode: CONC Corr. Factor: .0001

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00001	L.00759	-.00214	L.00029	L.00005	L.01420	L-.00009
#1	L.00001	L.00730	-.00004	L.00030	L.00004	L.01339	L-.00009
#2	L.00001	L.00782	-.00402	L.00027	L.00006	L.01457	L-.00012
#3	L.00001	L.00765	-.00236	L.00030	L.00006	L.01463	L-.00006

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00000	L.0000	L-.00070	L-.00016	L1.0183	L.00369	L.00000
#1	L.00000	L.0000	L-.00117	L-.00021	L1.0051	L.00330	L.00000
#2	L.00000	L.0000	L-.00054	L-.00049	L1.0239	L.00446	L.00001
#3	L.00000	L.0000	L-.00038	L.00022	L1.0257	L.00330	L.00000

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L.05628	L-.00019	L.00000	L.00000	L.00004	L.00040	L.00061
#1	L.05343	L.00000	L.00000	L.00000	L.00004	L.00031	L.00049
#2	L.05609	L-.00056	L.00000	L.00000	L.00007	L.00012	L.00058
#3	L.05932	L.00000	L.00000	L.00000	L.00002	L.00076	L.00076

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00022	L.00002	L.00001	L.00004	L.00263	L.00012	L-.00001
#1	L.00007	L.00016	L.00001	L.00004	L.00153	L.00018	L-.00042
#2	L.00042	L.00016	L.00001	L.00006	L.00562	L.00012	L.00026
#3	L.00018	L-.00027	L.00001	L.00004	L.00073	L.00006	L.00013

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.00001	L.00420	L.00002	.00896	.00634
#1	L-.00001	L.00416	L.00002	.00989	.00611
#2	L-.00001	L.00436	L.00002	.00711	.00705
#3	L-.00001	L.00408	L.00003	.00989	.00586

Method: SED5_AL Sample Name: AL IEC Operator: RD
Run Time: 07/02/97 13:57:52
Comment: 400 ppm
Mode: CONC Corr. Factor: .0025

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L1.0175	944.69	4.4480	L.00437	L.00155	L.88295	L-.00629
#1	L1.0170	942.78	4.6294	L.00507	L.00139	L.87780	L-.01314

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00014	L.0001	L-.01222	L-.01854	L-.00168	L1.8295	L.00190
#1	L.00013	L.0001	L-.01942	L-.01968	L-.00545	L1.8704	L.00189
#2	L.00015	L.0001	L-.01222	L-.01882	L.00335	L1.8223	L.00191
#3	L.00014	L.0001	L-.00502	L-.01711	L-.00293	L1.7958	L.00190

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L-2.6211	L.01402	L.00000	L.00003	L.17924	L.00382	L.01479
#1	L-2.5686	L.00000	L.00000	L.00003	L.17947	L.00545	L.00417
#2	L-2.6574	L.04206	L.00000	L.00003	L.17912	L.01388	L.03261
#3	L-2.6372	L.00000	L.00000	L.00003	L.17912	L-.00787	L.00758

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.00593	L.00663	L.00071	L.00078	L.01582	L.00256	L-.00413
#1	L.00248	L-.00069	L.00067	L.00056	L-.00176	L.00153	L-.00599
#2	L-.00787	L.01372	L.00077	L.00089	L.03726	L.00307	L.00000
#3	L-.01239	L.00686	L.00069	L.00089	L.01195	L.00307	L-.00639

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L.00110	L.11106	L.00051	896.22	944.46
#1	L.00383	L.11085	L.00021	895.75	942.58
#2	L-.00027	L.10832	L.00063	894.73	944.63
#3	L-.00027	L.11401	L.00070	898.19	946.15

Method: SED5_AL Sample Name: FE IEC Operator: RD
Run Time: 07/02/97 14:00:31
Comment: 400 ppm
Mode: CONC Corr. Factor: .0025

Elem	Al3082	Al3961	As1936	Be4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00189	L.91789	.13211	L.00745	L.45521	L1.1290	L-.02207
#1	L.00186	L.95239	.10150	L.00775	L.45987	L1.1395	L-.01586
#2	L.00186	L.90279	.09473	L.00686	L.45179	L1.1159	L-.02452
#3	L.00196	L.89848	.20010	L.00775	L.45379	L1.1314	L-.02548

Elem	Ca3138	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00020	L.0001	L-.03193	L.01497	L-.35406	H973.70	L1.0211
#1	L.00017	L.0001	L-.04777	L.02353	L-.35867	H982.51	L1.0310
#2	L.00020	L.0001	L-.01590	L.00791	L-.36370	H965.66	L1.0112
#3	L.00023	L.0001	L-.04233	L.01348	L-.33981	H972.92	L1.0212

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L

Avge	L-.12840	L.03271	L.00000	L.00004	L.18005	L-.06287	L.02882
#1	L-.11428	L.02804	L.00000	L.00004	L.18331	L-.06635	L.04398
#2	L-.17277	L.02804	L.00000	L.00004	L.17912	L-.06702	L.02351
#3	L-.09815	L.04206	L.00000	L.00004	L.17772	L-.05523	L.01896

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.00819	L-.28987	L.00061	L.00222	L-.20176	L.00614	L-.04115
#1	L-.01886	L-.29421	L.00050	L.00156	L-.22109	L.00153	L-.03396
#2	L.00345	L-.29284	L.00066	L.00222	L-.22742	L.00767	L-.05074
#3	L-.00916	L-.28255	L.00069	L.00289	L-.15677	L.00921	L-.03875

Elem	Y_3710	Zn2138	Zn4810	ZA1308	ZA1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L.00986	L.12603	L.00060	1.6682	1.0068
#1	L.00794	L.12792	L.00021	1.6373	1.0039
#2	L.00958	L.12603	L.00066	1.6373	.98908
#3	L.01205	L.12413	L.00092	1.7300	1.0273

Method: SE05_AL Sample Name: AS IEC Operator: RD
Run Time: 07/02/97 14:04:21
Comment: 10 ppm
Mode: CONC Corr. Factor: .0001

Elem	Al3082	Al3961	Ba1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00001	L.00276	1.0216	L.00005	L.00004	L.01015	L.01463
#1	L.00001	L.00403	1.0256	L.00008	L.00004	L.01053	L.01452
#2	L.00001	L.00127	1.0212	L.00001	L.00006	L.01005	L.01476
#3	L.00001	L.00299	1.0180	L.00005	L.00004	L.00988	L.01462

Elem	Ca3158	Ca3933	Cr2055	Cu2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00000	L.0000	L-.00039	L-.00006	L.00005	L.00876	L.00002
#1	L.00000	L.0000	L-.00078	L.00017	L.00013	L.00937	L.00002
#2	L.00000	L.0000	L-.00054	L.00003	L.00013	L.00792	L.00002
#3	L.00000	L.0000	L.00014	L-.00037	L-.00012	L.00898	L.00001

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L.00113	L.00075	L.00000	L.00000	L.00007	L.00038	L.00005
#1	L.00099	L.00112	L.00000	L.00000	L.00007	L.00055	L-.00042
#2	L.00132	L.00112	L.00000	L.00000	L.00012	L.00025	L.00039
#3	L.00108	L.00000	L.00000	L.00000	L.00001	L.00035	L.00017

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00023	L-.00001	L.00001	L.00002	L.00110	L.00020	L-.00011

#2	L.00055	L-.00008	L.00001	L.00002	L-.00028	L.00018	L-.00010
#3	L-.00041	L.00011	L.00001	L.00004	L.00351	L.00018	L-.00024

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L.00003	L.00035	L.00005	.00772	.00325
#1	L.00002	L.00046	L.00005	.00803	.00357
#2	L-.00001	L.00031	L.00004	.00803	.00195
#3	L.00009	L.00029	L.00005	.00711	.00424

Method: SEDS_AL Sample Name: CR IEC Operator: RD
Run Time: 07/02/97 14:07:05
Comment: 10 ppm
Mode: CONC Corr. Factor: .0001

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00002	L.00949	-.00017	L.00006	L.00005	L.01567	L.00014
#1	L.00002	L.00963	-.00220	L.00001	L.00006	L.01551	L.00021
#2	L.00002	L.00946	.00205	L.00008	L.00006	L.01596	L.00019
#3	L.00002	L.00937	-.00035	L.00007	L.00004	L.01554	L.00002

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00000	L.0000	L1.0299	L.00041	L.00052	L.00513	L.00005
#1	L.00000	L.0000	L1.0339	L.00055	L.00054	L.00484	L.00005
#2	L.00000	L.0000	L1.0297	L.00024	L.00074	L.00571	L.00005
#3	L.00000	L.0000	L1.0261	L.00044	L.00028	L.00484	L.00005

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L-.00175	L.00028	L.00000	L.00000	L.00027	L.00042	L-.00014
#1	L-.00344	L.00028	L.00000	L.00000	L.00023	L.00016	L-.00120
#2	L.00108	L.00056	L.00000	L.00000	L.00026	L.00129	L-.00006
#3	L-.00288	L.00000	L.00000	L.00000	L.00032	L-.00017	L.00085

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.00030	L.00018	L.00001	L.00006	L.00172	L.00061	L-.00604
#1	L-.00077	L.00008	L.00001	L.00005	L.00254	L.00055	L-.00630
#2	L.00024	L.00033	L.00001	L.00006	L.00174	L.00061	L-.00572
#3	L-.00037	L.00014	L.00001	L.00006	L.00086	L.00068	L-.00609

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.00003	L.00095	L.00004	.01730	.01155
#1	L.00005	L.00092	L.00004	.01730	.01248
#2	L-.00008	L.00092	L.00005	.01545	.01095
#3	L-.00008	L.00102	L.00005	.01915	.01121

Method: SED5_AL Sample Name: V IEC Operator: RD
Run Time: 07/02/97 14:09:49
Comment: 10 ppm
Mode: CONC Corr. Factor: .0001

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00005	L.00023	.01194	L.00010	L.00003	L.01015	L.00005
#1	L.00005	L.00040	.01075	L.00013	L.00002	L.01066	L.00009
#2	L.00005	L.00178	.01427	L.00010	L.00004	L.00975	L.00007
#3	L.00005	L-.00150	.01079	L.00008	L.00004	L.01005	L-.00001

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00000	L.0000	L-.00033	L.00011	L-.00027	L.00298	L.00020
#1	L.00000	L.0000	L-.00070	L-.00012	L-.00012	L.00330	L.00020
#2	L.00000	L.0000	L.00011	L.00073	L-.00027	L.00282	L.00020
#3	L.00000	L.0000	L-.00041	L-.00027	L-.00042	L.00282	L.00020

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L.00065	L.00037	L.00000	L.00000	L.00010	L-.00020	L.00024
#1	L.00083	L.00000	L.00000	L.00000	L.00009	L-.00023	L.00076
#2	L-.00005	L.00112	L.00000	L.00000	L.00012	L-.00062	L-.00079
#3	L.00116	L.00000	L.00000	L.00000	L.00008	L.00025	L.00076

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.00072	L-.01024	L.00001	L.00002	L.00025	L.00025	L1.0251
#1	L-.00081	L-.01004	L.00001	L.00002	L.00090	L.00018	L1.0277
#2	L-.00046	L-.00968	L.00000	L.00004	L.00065	L.00031	L1.0122
#3	L-.00091	L-.01100	L.00001	L.00001	L-.00079	L.00025	L1.0353

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.00001	L.00081	L.00003	.04510	.00190
#1	L-.00001	L.00084	L.00004	.04510	.00187
#2	L.00005	L.00082	L.00003	.04325	.00195
#3	L-.00008	L.00077	L.00002	.04696	.00187

Method: SED5_AL Sample Name: CA IEC Operator: RD
Run Time: 07/02/97 14:12:25
Comment: 100 ppm
Mode: CONC Corr. Factor: .01

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00042	L-4.1919	-.04640	L.00994	L.00163	L.00542	L.00086

#2	L.00007	L-4.3415	.09280	L.00477	L.00163	L-.00975	L.00328
#3	L.00070	L-4.1344	-.25907	L.01670	L.00163	L.00650	L-.01017

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L1.0335	C.0000	L-.06808	L-.00884	L-.01341	L.20533	L.00095
#1	L1.0358	C.0000	L-.07506	L-.03850	L-.01676	L.26307	L.00090
#2	L1.0314	C.0000	L-.03840	L.00684	L.00335	L.17645	L.00121
#3	L1.0332	C.0000	L-.09077	L.00513	L-.02682	L.17645	L.00074

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L.13176	L.54206	L-.00010	L.00002	L.00792	L.04023	L.03943
#1	L.51897	L.61682	L-.00010	L.00002	L.00792	L.01101	L.02123
#2	L-.19898	L.50467	L-.00010	L.00002	L.00373	L.07641	L.05763
#3	L.07529	L.50467	L-.00010	L.00002	L.01211	L.03326	L.03943

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.05129	L.01097	L.00016	L.03291	L.17575	L.04707	L-.00906
#1	L-.03534	L.04115	L.00000	L.03291	L.08998	L.04298	L.01598
#2	L-.0625	L-.02469	L.00022	L.03291	L-.07873	L.04911	L-.00639
#3	L-.05603	L.01646	L.00026	L.03291	L.51599	L.04911	L-.03676

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L.00329	L-.00379	L.00405	.37070	29.132
#1	L.00548	L-.01433	L.00427	.43249	29.061
#2	L-.00767	L.00084	L.00281	.06178	29.146
#3	L.01205	L.00211	L.00507	.61785	29.188

Element:	Al	Al	As	Ba	Be
Wavelength:	308.215	396.153	193.696	493.409	234.861
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	1	2	4	0	1
Affecting Element:	Mo2020	Ca3158	Al3082	--n/a--	Fe2714
k1 factor:	0	-4.1919	4.448	--n/a--	.45521
k2 factor:	0	0	0	--n/a--	0
use?:	YES	YES	YES	--n/a--	YES
Affecting Element:	--n/a--	Mo2020	Fe2714	--n/a--	--n/a--
k1 factor:	--n/a--	0	.13211	--n/a--	--n/a--
k2 factor:	--n/a--	0	0	--n/a--	--n/a--
use?:	--n/a--	YES	YES	--n/a--	--n/a--
Affecting Element:	--n/a--	--n/a--	V_2924	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	.01194	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--
Affecting Element:	--n/a--	--n/a--	Cr2055	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--

Element:	B	Cd	Ca	Ca	Cr
Wavelength:	249.678/2	228.802/2	315.887	393.367	205.552/2
Use IECs:	YES	YES	NO	NO	YES
Number of IECs:	1	3	0	0	1
Affecting Element:	Fe2714	As1936	--n/a--	--n/a--	Fe2714
k1 factor:	1.129	.01463	--n/a--	--n/a--	-.05193
k2 factor:	0	0	--n/a--	--n/a--	0
use?:	YES	YES	--n/a--	--n/a--	YES
Affecting Element:	--n/a--	Fe2714	--n/a--	--n/a--	--n/a--
k1 factor:	--n/a--	-.02202	--n/a--	--n/a--	--n/a--
k2 factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
use?:	--n/a--	YES	--n/a--	--n/a--	--n/a--
Affecting Element:	--n/a--	Ni2316	--n/a--	--n/a--	--n/a--
k1 factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
k2 factor:	--n/a--	0	--n/a--	--n/a--	--n/a--
use?:	--n/a--	YES	--n/a--	--n/a--	--n/a--

Element:	Co	Cu	Fe	Fe	Pb
Wavelength:	228.616	324.754	259.940	271.441	220.350
Use IECs:	YES	YES	NO	YES	YES
Number of IECs:	2	1	0	1	3
Affecting Element:	Ni2316	Fe2714	--n/a--	V_2924	Al3082
k1 factor:	0	-.35406	--n/a--	0	-2.6211
k2 factor:	0	0	--n/a--	0	0
use?:	YES	YES	--n/a--	YES	YES
Affecting Element:	Ti3349	--n/a--	--n/a--	--n/a--	Cu3247
k1 factor:	0	--n/a--	--n/a--	--n/a--	.05628
k2 factor:	0	--n/a--	--n/a--	--n/a--	0
use?:	YES	--n/a--	--n/a--	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	--n/a--	--n/a--	Fe2714
k1 factor:	--n/a--	--n/a--	--n/a--	--n/a--	-.1284
k2 factor:	--n/a--	--n/a--	--n/a--	--n/a--	0
use?:	--n/a--	--n/a--	--n/a--	--n/a--	YES

Element:	Li	Mg	2Mg	Mn	Mo
Wavelength:	670.784	279.553	279.553	257.610	202.030
Use IECs:	NO	NO	NO	YES	YES
Number of IECs:	0	0	0	1	1
Affecting Element:	--n/a--	--n/a--	--n/a--	Fe2714	Fe2714
k1 factor:	--n/a--	--n/a--	--n/a--	.18005	-.06287
k2 factor:	--n/a--	--n/a--	--n/a--	0	0
use?:	--n/a--	--n/a--	--n/a--	YES	YES

Element:	Ni	K	Ag	Na	Sr
Wavelength:	231.604/2	766.490	328.068	588.995	421.552
Use IECs:	NO	NO	YES	NO	NO
Number of IECs:	0	0	3	0	0
Affecting Element:	--n/a--	--n/a--	Fe2714	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	-.28987	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--
Affecting Element:	--n/a--	--n/a--	Ti3349	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--

Affecting Element:	--n/a--	--n/a--	V_2924	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	-.01024	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--

Element:	Sn	Ti	V	Y	Zn
Wavelength:	189.989	334.941	292.402	371.029	213.856
Use IECs:	YES	NO	YES	NO	YES
Number of IECs:	2	0	3	0	3
Affecting Element:	Al3082	--n/a--	Cr2055	--n/a--	Cu3247
k1 factor:	.01582	--n/a--	-.00604	--n/a--	.0042
k2 factor:	0	--n/a--	0	--n/a--	0
use?:	YES	--n/a--	YES	--n/a--	YES
Affecting Element:	Fe2714	--n/a--	Fe2714	--n/a--	Fe2714
k1 factor:	-.20176	--n/a--	-.04115	--n/a--	.12603
k2 factor:	0	--n/a--	0	--n/a--	0
use?:	YES	--n/a--	YES	--n/a--	YES
Affecting Element:	--n/a--	--n/a--	Mo2020	--n/a--	Ni2316
k1 factor:	--n/a--	--n/a--	0	--n/a--	0
k2 factor:	--n/a--	--n/a--	0	--n/a--	0
use?:	--n/a--	--n/a--	YES	--n/a--	YES

Element:	Zn	2Al	2Al
Wavelength:	481.053	308.215	396.153
Use IECs:	NO	YES	YES
Number of IECs:	0	2	1
Affecting Element:	--n/a--	Mo2020	Ca3158
k1 factor:	--n/a--	0	29.132
k2 factor:	--n/a--	0	0
use?:	--n/a--	YES	YES
Affecting Element:	--n/a--	V_2924	--n/a--
k1 factor:	--n/a--	.0451	--n/a--
k2 factor:	--n/a--	0	--n/a--
use?:	--n/a--	YES	--n/a--

Method: SEDS_AL Sample Name: INSTR BLANK 1 Operator: RD
Run Time: 07/02/97 14:21:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	A13082	A13961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.05612	L-45.051	-30.138	L.51686	L.06096	L5.7602	L-2.8152
#1	L.04910	L-48.492	-20.317	L.35782	L-.04525	L9.0719	L-4.3908
#2	L.09119	L-43.303	-12.765	L.11927	L.10580	L4.4090	L-2.2754
#3	L.02806	L-43.359	-57.333	L1.0735	L.12233	L3.7998	L-1.7793

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.02105	L.0108	L-4.4472	L-2.1389	L-.80923	L10.587	L.08129
#1	L.02338	L.0112	L-10.123	L-1.4545	L-5.6887	L2.2458	L.02767
#2	L.02657	L.0108	L-4.3575	L2.0533	L3.3968	L12.833	L.12626
#3	L.01318	L.0103	L1.1393	L-7.0156	L-.13576	L16.683	L.08994

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L13.110	L3.7383	L-.00955	L.00255	L.35805	L1.4434	L-3.0334
#1	L23.309	L-5.6076	L-.00978	L.00230	L.08819	L.56356	L-7.8868
#2	L1.1397	11.215	L-.00944	L.00267	L.90897	L4.0081	L-3.3367
#3	L14.882	L5.6075	L-.00944	L.00267	L.07698	L-.24154	L2.1234

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L.51724	L1.2828	L.00367	L.44472	L6.9048	L1.4325	L-2.0478
#1	L1.1207	L-1.3740	L-.00321	L.35577	L-11.665	L1.2278	L-1.0189
#2	L-2.5000	L4.3994	L-.01284	L.35577	L23.363	L1.8418	L-2.5781
#3	L2.9310	L.82297	L.02707	L.62260	L9.0159	L1.2278	L-2.5464

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.32853	L.33036	L.30982	49.520	-27.498
#1	L-.76657	L1.8750	L.33909	43.295	-27.000
#2	L-.43804	L-.95744	L.29518	80.436	-30.489
#3	L.21902	L.07354	L.29518	24.828	-25.005

Method: SEDS AL Sample Name: ABC EV1&2 1 Operator: RD
Run Time: 07/02/97 14:24:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	A13082	A13961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	6.1765	05254.0	5083.2	5122.6	5210.4	05266.1	5113.6
#1	6.1520	05270.4	5084.5	5185.1	5246.6	05300.4	5128.1
#2	6.1625	05263.5	5143.5	5117.6	5210.9	05267.3	5119.7
#3	6.2151	5228.1	5021.5	5065.1	5173.7	5230.6	5093.1

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.2796	5.198	5047.1	5140.6	5169.6	5177.4	6.9617
#1	5.2783	Q5.256	5058.5	5145.9	5214.3	5207.3	6.8094
#2	5.2847	5.196	5048.3	5155.0	5166.7	5189.9	7.0741
#3	5.2758	5.143	5034.4	5121.0	5127.9	5135.1	7.0014

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	5043.6	5204.7	4.8043	5.1965	5193.4	5054.8	5167.1
#1	5004.4	Q5271.0	4.8287	5.2229	5217.9	5088.9	5168.3
#2	5032.2	5200.9	4.8103	5.2029	5203.3	5047.2	5174.6
#3	5094.2	5142.1	4.7741	5.1638	5159.0	5028.4	5158.3

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	-11.078	494.20	-.13349	5216.3	4981.3	5054.7	5067.4
#1	-15.043	495.03	-.18625	Q5273.4	4955.8	5096.2	5099.6
#2	-6.5086	494.77	-.13670	5213.4	4941.5	5054.8	5066.7
#3	-11.681	492.79	-.07753	5162.0	5046.5	5013.0	5036.0

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	Q-1.8617	5050.0	4.7571	5211.7	5224.6
#1	Q-4.0519	5069.8	4.4521	5188.6	5228.8
#2	Q-1.4236	5056.7	4.9132	5199.4	5233.8
#3	Q-.10951	5023.5	4.9059	5247.1	5211.1

Method: SED5_AL Sample Name: HIGH AQC EV3 1 Operator: RD
Run Time: 07/02/97 14:27:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	103.10	Q101830.	3.0961	Q2.4252	Q-.69080	Q-57.094	Q-.03336
#1	102.39	Q101120.	-3.7232	Q3.2204	Q-.65521	Q-51.047	Q1.1208
#2	102.64	Q101400.	2.8801	Q1.7891	Q-.54904	Q-57.447	Q-.00574
#3	104.26	Q102960.	10.132	Q2.2662	Q-.86814	Q-62.787	Q-1.2151

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	103.09	C.0000	Q-2.8917	Q-.57037	Q-.81707	Q98492.	102.31
#1	102.51	C.0000	Q-2.7510	Q.42778	Q2.1365	Q97882.	101.66
#2	102.48	C.0000	Q-6.9303	Q-.08556	Q-6.8442	Q97970.	101.85
#3	104.27	C.0000	Q1.0062	Q-2.0533	Q2.2565	Q99623.	103.41

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L

Avge	06.9818	056.075	61.341	069.459	018.754	08.6119	06.0668
#1	0-1.5787	061.682	60.900	068.919	018.406	05.1326	0-1.5167
#2	013.328	056.075	60.984	069.022	018.650	010.336	014.864
#3	09.1964	050.467	62.140	070.436	019.207	010.367	04.8534

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	144.53	0.78711	104.23	02.4015	01.9983	09.2089	02.5944
#1	144.66	03.4358	103.71	02.4904	011.017	09.8229	02.8880
#2	144.78	0-3.1074	103.67	02.4904	0-25.643	08.5950	01.2727
#3	144.14	02.0329	105.29	02.2236	020.622	09.2090	03.6223

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	04.0519	097241.	99.928	90806.	101590.
#1	03.8328	096698.	99.513	90182.	100920.
#2	03.8328	096799.	99.199	90405.	101130.
#3	04.4899	098225.	101.07	91832.	102730.

Method: SED5_AL Standard: blank

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	.20400	.01493	-.02980	.00050	.05413	.23827	.00077
#1	.20360	.01420	-.02320	.00130	.05400	.23820	-.00170
#2	.20400	.02000	-.02920	.00020	.05440	.23800	.00470
#3	.20440	.01060	-.03700	.00000	.05400	.23860	-.00070

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	.58940	.0503	-.00080	-.00293	.00300	.20053	.56160
#1	.58600	.0508	-.00240	-.00060	.00240	.19980	.56180
#2	.58980	.0508	-.00200	.00500	.00460	.20200	.56260
#3	.59040	.0492	.00200	-.01320	.00200	.19980	.56040

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	.00270	.06407	.02453	.02453	.13800	.00140	.00147
#1	.00690	.06420	.02480	.02480	.13820	.00440	-.00040
#2	.00220	.06400	.02480	.02480	.13840	.01500	-.00040
#3	-.00100	.06400	.02400	.02400	.13740	-.01520	.00520

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Avge	.02080	-.00073	.93413	.09227	.00627	.20133	.00287
#1	.02800	.00110	.93420	.09240	.00500	.20120	.00320
#2	.01580	-.00140	.93800	.09240	.00720	.20120	.00540
#3	.01860	-.00190	.93020	.09200	.00660	.20160	.00000

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Avge	-.00027	.24493	1.0207	.20400	.96907
#1	-.00040	.24720	1.0232	.20360	.96680

#2	.00000	.24360	1.0206	.20400	.97200
#3	-.00040	.24400	1.0184	.20440	.96840

Method: SED5_AL Standard: ten2

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	.21480	-.00493	-.00627	.00043	21.105	6.5893	19.961
#1	.21560	-.00460	-.01060	.00080	20.869	6.5106	19.728
#2	.21440	-.00440	-.01560	.00050	21.175	6.5984	20.020
#3	.21440	-.00580	.00740	.00000	21.271	6.6588	20.136

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	3.8563	14.30	-.07393	-.05773	4.1143	.26140	.63907
#1	3.8154	14.12	-.06960	-.05380	4.0648	.26040	.63920
#2	3.8664	14.35	-.07460	-.06020	4.1282	.26320	.63920
#3	3.8872	14.42	-.07760	-.05920	4.1498	.26060	.63880

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	.06440	.06347	.02700	.02700	14.969	.00593	2.2710
#1	.06480	.06400	.02700	.02700	14.787	.01280	2.2474
#2	.06460	.06320	.02700	.02700	15.028	-.00300	2.2749
#3	.06380	.06320	.02700	.02700	15.093	.00800	2.2907

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Avge	.18413	-.03870	.91887	.09173	-.00333	.20007	12.917
#1	.17180	-.03680	.92340	.09200	-.00040	.19980	12.771
#2	.18960	-.03950	.91880	.09160	-.00520	.20000	12.957
#3	.19100	-.03980	.91440	.09160	-.00440	.20040	13.023

Elem	Y_3710	Zn2138	Zn4810	2Al308	2Al396
Avge	-.00040	16.428	1.2839	.21480	1.0268
#1	.00020	16.242	1.2832	.21560	1.0270
#2	-.00060	16.487	1.2788	.21440	1.0260
#3	-.00080	16.555	1.2896	.21440	1.0274

Method: SED5_AL Standard: ten3

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	.42587	2.4086	-.00067	8.6542	.06813	.26253	.00497
#1	.42520	2.4044	-.01180	8.6416	.06920	.26440	.00230
#2	.42520	2.4134	-.00360	8.6472	.06800	.26480	.01200
#3	.42720	2.4080	.01340	8.6739	.06720	.25840	.00060

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	.61527	.0568	.00293	.06213	.00307	2.3675	1.0056
#1	.61640	.0580	-.00080	.05980	.00280	2.3628	1.0056
#2	.61280	.0560	.00480	.06400	.00400	2.3640	1.0048
#3	.61660	.0564	.00480	.06260	.00240	2.3758	1.0084

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	-.00293	.06467	53.898	53.898	.14987	-.00867	.00080
#1	-.00460	.06520	53.822	53.822	.15040	.00800	.00140
#2	-.00160	.06480	53.848	53.848	.15000	.00280	-.00020
#3	-.00260	.06400	54.025	54.025	.14920	-.03680	.00120

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Avge	.02333	-.00350	.93227	.09200	.01420	6.9390	.00973
#1	.02500	-.00350	.93280	.09200	.01720	6.9318	.01000
#2	.02780	-.00340	.93080	.09200	.00960	6.9306	.01020
#3	.01720	-.00360	.93320	.09200	.01580	6.9546	.00900

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Avge	.00020	.24720	1.0159	.42587	3.3966
#1	.00040	.24920	1.0126	.42520	3.3934
#2	-.00040	.24400	1.0188	.42520	3.3972
#3	.00060	.24840	1.0162	.42720	3.3992

Standardization Report Wed 07-02-97 02:38:23 PM page 1

Method: SED5_AL

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3961	396.153	ten3	blank	4177.69	-62.3868	07/02/97 02:36:37
B_2496	249.678	ten2	blank	1574.56	-375.164	07/02/97 02:34:00
Be2348	234.861	ten2	blank	475.038	-25.7154	07/02/97 02:34:00
Mn2576	257.610	ten2	blank	674.248	-93.0462	07/02/97 02:34:00
Ca3933	393.367	ten2	blank	1.92767	-.033368	07/02/97 02:34:00

Method: SED5_AL Sample Name: INSTR BLANK 1A Operator: RD
Run Time: 07/02/97 14:39:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.04209	L-26.936	-49.945	L1.2723	L.21635	L6.1015	L.68077
#1	L.02806	L-11.340	-26.413	L.71565	L.10463	L7.3982	L.45643
#2	L.00701	L-33.913	-46.071	L1.5506	L.30173	L6.4711	L-1.6351
#3	L.09119	L-35.554	-77.352	L1.5506	L.24268	L4.4352	L3.2210

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.01913	L.0028	L-4.7090	L-2.1674	L-1.9824	L13.475	L.08129
#1	L.01892	L.0034	L-9.0748	L-3.1656	L-2.6645	L12.833	L.04843
#2	L.01573	L.0026	L-10.647	L-1.4545	L-.65877	L14.758	L.03286
#3	L.02275	L.0026	L5.5945	L-1.8822	L-2.6241	L12.833	L.16258

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L.77012	L-.00002	L-.00400	L.00852	L.30002	L-.03983	L7.4318
#1	L-2.7281	L.00002	L-.00298	L.00961	L.53068	L-.10932	L4.8534
#2	L10.816	L5.6075	L-.00468	L.00779	L-.27561	L1.5077	L11.224
#3	L-5.7770	L-5.6076	L-.00434	L.00815	L.64498	L-1.5179	L6.2184

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-6.7241	L1.0259	L.01560	L.53366	L10.139	L2.4557	L-.34472
#1	L-13.879	L1.3753	L-.03899	L.35577	L1.4153	L1.8418	L-1.0117
#2	L.34483	L1.1258	L.02018	L.62260	L7.7394	L2.4557	L1.8548
#3	L-6.6379	L.57655	L.06560	L.62260	L21.262	L3.0696	L-1.8773

Elem	Y_3710	Zn2138	Zn4810	2Al308	2Al396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.43804	L.67247	L.31226	37.086	-23.480
#1	L-1.0951	L1.1010	L.21468	24.759	-18.380
#2	L.54755	L.84162	L.27323	6.0939	-32.720
#3	L-.76657	L.07484	L.44887	80.405	-19.340

Method: SED5_AL Sample Name: ABC EV1&2 1A Operator: RD
Run Time: 07/02/97 14:42:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	6.2502	5158.3	5165.7	5143.1	5088.1	5149.9	5154.3
#1	6.1520	5189.8	5156.0	5174.5	5108.6	5205.5	5163.6
#2	6.3098	5164.7	5176.2	5154.0	5101.0	5137.6	5161.6
#3	6.2887	5120.3	5164.8	5101.0	5054.8	5106.6	5137.7

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.3685	5.040	5131.2	5218.3	5223.2	05273.0	7.1363
#1	5.3797	5.068	5167.2	5229.4	5236.6	05306.4	7.1675
#2	5.3753	5.052	5120.1	5237.6	5246.6	05288.1	7.0481
#3	5.3504	5.000	5106.5	5187.9	5186.3	5224.6	7.1934

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	5119.8	5216.8	4.9397	05.3429	5068.1	5142.0	5231.2
#1	5165.3	05259.8	4.9589	05.3637	5090.8	5155.6	05253.8
#2	5116.8	5215.0	4.9538	05.3582	5081.2	5170.3	5236.5
#3	5077.4	5175.7	4.9063	05.3068	5032.4	5100.1	5203.3

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	-6.6810	504.96	-.09588	5249.7	5095.5	5097.2	5113.2
#1	-10.000	503.92	-.14496	05281.5	5230.9	5117.1	5127.3
#2	-6.1207	506.95	-.12157	05260.3	5090.0	5115.0	5131.2
#3	-3.9224	504.01	-.02110	5207.2	4965.6	5059.4	5081.1

Elem	Y_3710	Zn2138	Zn4810	2Al308	2Al396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	0-.76657	5109.2	4.8766	5274.5	5280.8
#1	0-1.4236	5114.7	4.6863	5187.4	5308.2
#2	0-.10951	5133.0	5.0742	5326.2	5288.8
#3	0-.76657	5079.9	4.8693	5309.9	5245.4

Method: SED5_AL Standard: blank

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	.20400	.01500	-.02160	.00047	.05473	.24047	-.00070
#1	.20400	.01160	-.01600	.00080	.05480	.24240	-.00110
#2	.20320	.01820	-.01760	.00040	.05460	.23760	.00060
#3	.20480	.01520	-.03120	.00020	.05480	.24140	-.00160

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	.58853	.0436	.00100	-.00493	.00213	.19960	.56227
#1	.59160	.0440	.00720	.00100	.00140	.19980	.56360
#2	.58400	.0436	-.00400	-.00940	.00340	.19980	.56060
#3	.59000	.0432	-.00020	-.00640	.00160	.19920	.56260

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	-.00080	.06373	.02280	.02280	.13853	.01667	.00163
#1	-.00040	.06400	.02320	.02320	.13880	-.00060	.00020
#2	-.00240	.06360	.02240	.02240	.13800	.03640	.00220
#3	.00040	.06360	.02280	.02280	.13880	.01420	.00250

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Avge	.02067	-.00130	.93507	.09267	.00233	.20080	.00173
#1	.01000	-.00260	.94220	.09320	-.00520	.20120	.00000
#2	.03700	-.00060	.92800	.09240	.00220	.20000	.00420
#3	.01500	-.00070	.93500	.09240	.01000	.20120	.00100

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Avge	-.00020	.23253	1.0173	.20400	.97147
#1	.00040	.23280	1.0198	.20400	.97640
#2	-.00080	.23360	1.0140	.20320	.96760
#3	-.00020	.23120	1.0182	.20480	.97040

Method: SED5_AL Standard: ten1

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	.20980	.10593	5.1978	.00037	.05567	.25280	.21913
#1	.21060	.10980	5.1314	.00040	.05580	.25480	.21280
#2	.21000	.10320	5.2540	.00020	.05560	.24960	.22110
#3	.20880	.10480	5.2080	.00050	.05560	.25400	.22350

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	.62200	.0560	7.7429	23.709	-.00887	.20873	.62247
#1	.62360	.0556	7.6284	23.448	-.00580	.20880	.62260
#2	.62340	.0564	7.8504	23.993	-.01060	.20940	.62480
#3	.61900	.0560	7.7498	23.687	-.01020	.20800	.62000

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	1.2597	.78000	11.090	11.090	.14213	30.078	.00073
#1	1.2503	.76940	10.963	10.963	.14200	29.695	.00180
#2	1.2733	.78560	11.205	11.205	.14280	30.397	-.00080
#3	1.2554	.78500	11.104	11.104	.14160	30.143	.00120

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Avge	.01740	.36557	15.544	15.172	4.7004	.20287	-.56407
#1	.02900	.36080	15.336	14.935	4.6840	.20400	-.55360
#2	.01280	.36970	15.664	15.305	4.7378	.20300	-.56800
#3	.01040	.36620	15.631	15.277	4.6794	.20160	-.57060

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Avge	6.1313	.23560	1.0089	.20980	1.0644
#1	6.0406	.23560	1.0176	.21060	1.0698
#2	6.1936	.23400	1.0084	.21000	1.0662
#3	6.1598	.23720	1.0008	.20880	1.0572

Method: SED5_AL Standard: ten2

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	.21347	-.00973	.02093	.00087	20.397	6.3715	19.333

#1	.21440	-.00320	.03800	.00140	20.423	6.3810	19.414
#2	.21280	-.01300	.01680	.00060	20.337	6.3604	19.242
#3	.21320	-.01300	.00800	.00060	20.431	6.3730	19.341

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	3.7324	13.83	-.07360	-.05320	3.9850	.25660	.63413
#1	3.7502	13.81	-.07000	-.05040	3.9868	.25740	.64000
#2	3.7164	13.82	-.07440	-.06180	3.9740	.25600	.62960
#3	3.7306	13.86	-.07640	-.04740	3.9942	.25640	.63280

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	.06263	.06367	.02647	.02647	14.471	.00367	2.1941
#1	.06430	.06400	.02700	.02700	14.501	.01300	2.2054
#2	.06010	.06320	.02640	.02640	14.420	.01380	2.1860
#3	.06350	.06380	.02600	.02600	14.492	-.01580	2.1910

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Avge	.17680	-.03927	.91613	.09293	.00193	.19947	12.447
#1	.18780	-.03660	.92420	.09400	.00520	.20120	12.467
#2	.16980	-.04100	.91000	.09240	.00540	.19840	12.409
#3	.17280	-.04020	.91420	.09240	-.00480	.19880	12.466

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Avge	.00087	15.866	1.2675	.21347	1.0196
#1	.00120	15.916	1.2752	.21440	1.0244
#2	.00040	15.810	1.2630	.21280	1.0152
#3	.00100	15.872	1.2642	.21320	1.0192

Method: SED5_AL Standard: ten3

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Avge	.42100	2.3489	-.01673	8.4115	.06833	.26960	.00593
#1	.42100	2.3500	-.01480	8.3996	.06920	.27660	.00430
#2	.42180	2.3522	-.01400	8.4293	.06860	.26860	.01230
#3	.42020	2.3446	-.02140	8.4056	.06720	.26360	.00120

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Avge	.61627	.0527	.00453	.06073	.00393	2.3175	.99787
#1	.62060	.0532	.00640	.05880	.00500	2.3206	1.0012
#2	.61500	.0528	.00480	.05700	.00490	2.3218	.99920
#3	.61320	.0520	.00240	.06640	.00200	2.3100	.99320

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Avge	-.00480	.06467	52.847	52.847	.15013	-.00080	.00070
#1	-.00410	.06480	52.913	52.913	.15160	.01040	-.00060
#2	-.00680	.06440	52.877	52.877	.15040	-.00160	.00040
#3	-.00350	.06480	52.752	52.752	.14840	-.01120	.00230

Elem	K_7664	Ag3280	Na5889	S-4215	Sn1899	Ti3349	V_2924
Avge	.01333	-.00390	.93687	.09307	.01173	6.7660	.01355
#1	.01380	-.00190	.94000	.09320	.01050	6.7646	.01700
#2	.01600	-.00520	.93460	.09320	-.00100	6.7972	.00540
#3	.01020	-.00460	.93600	.09280	.02540	6.7512	.01120

Elem	Y_3710	Zn2138	Zn4810	ZN1308	ZN1396
Avge	.00033	.24213	1.0183	.42100	3.3381
#1	.00160	.24360	1.0220	.42100	3.3414
#2	-.00080	.24340	1.0179	.42180	3.3414
#3	.00020	.23920	1.0145	.42020	3.3312

Method: SEDS_AL

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Fe2599	259.940	ten3	blank	4721.73	-942.458	07/02/97 02:56:51
Co2286	228.616	ten1	blank	421.692	2.08035	07/02/97 02:51:19
Cu3247	324.754	ten2	blank	2510.75	-5.35628	07/02/97 02:54:11
Mg279L	279.553	ten1	blank	1.44242	-.001157	07/02/97 02:51:19
Ni2316	231.604	ten2	blank	4561.00	-7.44964	07/02/97 02:54:11
Sr4215	421.552	ten1	blank	663.145	-61.4514	07/02/97 02:51:19

Method: SED5_AL Sample Name: INSTR BLANK 1B Operator: RD
Run Time: 07/02/97 15:00:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.05612	L-19.923	-23.840	L2.0674	L.31232	11.274	L-.87131
#1	L.04910	L-18.787	-33.096	L1.6698	L.41380	13.836	L-.99373
#2	L.04910	L-23.795	-56.511	L2.2662	L.28047	L7.3631	L.00371
#3	L.07015	L-17.186	17.006	L2.2662	L.24268	12.673	L-1.6254

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.03104	L.0010	L-5.9275	L1.8554	L-2.6255	L2.8331	L.14875
#1	L.03614	L.0009	L-7.4757	L2.1647	L-2.7733	L7.5548	L.20409
#2	L.03741	L.0012	L-1.2178	L.56226	L-4.3238	L.94437	L.07956
#3	L.01956	L.0009	L-9.0689	L2.8394	L-.77935	L.00001	L.16258

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L15.910	L7.4766	L-.00389	L.00593	L.69242	L1.4476	L-9.4261
#1	L1.3866	16.822	L-.00332	L.00653	L.63751	L1.9230	L-23.413
#2	L20.818	L5.6075	L-.00434	L.00546	L.65993	L-1.0512	L-4.7130
#3	L25.525	L.00002	L-.00400	L.00582	L.77983	L3.4710	L-.15203

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.8103	L-.79325	L.04541	L.26526	L7.6214	L3.0697	L-1.3082
#1	L-4.5690	L-2.4232	L.08349	L.35368	L11.991	L3.6836	L-1.3154
#2	L-6.5086	L-2.1814	L.04358	L.35368	L-7.0146	L1.8418	L-.96296
#3	5.6466	L2.2249	L.00917	L.08842	L17.888	L3.6836	L-1.6462

Elem	Y_3710	Zn2138	Zn4810	ZA1308	ZA1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L.21902	L.03444	L.36105	49.487	-9.3941
#1	L1.5331	L-.68845	L.54401	43.308	-1.9018
#2	L-1.4236	L.59823	L.25127	43.292	-5.3350
#3	L.54755	L.19354	L.28786	61.859	-20.946

Method: SED5_AL Sample Name: ADC EV1&2 1B Operator: RD
Run Time: 07/02/97 15:03:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	6.0958	4971.6	5021.3	4936.4	4909.8	4950.2	4989.5
#1	6.0257	4929.1	5015.1	4914.2	4883.4	4925.1	4956.6
#2	6.0678	4984.4	4979.1	4943.7	4912.1	4947.1	4978.8
#3	6.1940	5001.3	5069.9	4951.3	4933.9	4978.5	5033.1

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.2201	4.834	4934.8	4993.8	5034.2	4981.1	7.0412
#1	5.1814	4.812	4895.1	4963.0	5005.1	4955.0	6.9599
#2	5.2114	4.838	4930.8	4985.4	5041.2	4982.4	7.0429
#3	5.2675	4.852	4978.4	5032.9	5056.3	5006.0	7.1208

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	5001.2	5030.8	4.7868	5.0182	4905.1	4980.5	5097.4
#1	5007.0	5015.9	4.7607	4.9908	4878.8	4933.4	5087.2
#2	4962.3	5035.5	4.7859	5.0173	4904.0	4984.5	5061.2
#3	5034.4	5041.1	4.8137	5.0464	4932.6	5023.7	5143.7

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	-3.4483	486.68	-.06147	5016.6	4937.8	4913.4	4920.8
#1	-2.7586	485.06	-.07615	4994.8	4939.8	4889.3	4898.2
#2	-3.7931	484.77	-.06376	5020.8	4951.2	4918.8	4921.5
#3	-3.7931	490.22	-.04450	5034.3	4922.5	4932.0	4942.7

Elem	Y_3710	Zn2138	Zn4810	ZA1308	ZA1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	0.32853	4956.2	5.0669	5147.2	5115.1
#1	0-.10951	4927.4	4.9644	5086.5	5076.3
#2	0-.10951	4949.0	5.0230	5122.5	5127.2
#3	01.2046	4992.2	5.2133	5232.8	5141.7

Method: SED5_AL Sample Name: DIGESTION BLANK Operator: RD
Run Time: 07/02/97 15:07:06
Comment: RUN 772
Mode: CONC Corr. Factor: 1.22

Elem	A13082	A13961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.00856	L-56.044	-13.889	L1.3581	L.37121	L4.0927	L-.17274
#1	L-.01712	L-26.116	-30.132	L1.1641	L.55094	L1.6261	L.27585
#2	L-.01712	L-91.433	-13.650	L1.3096	L.11324	L8.9901	L1.2952
#3	L.05991	L-50.583	2.1164	L1.6007	L.44944	L1.6619	L-2.0893

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00493	L-.0150	L-5.4246	L3.2926	L-4.6549	L-17.281	L.11817
#1	L.01141	L-.0150	L-1.4831	L.99463	L-5.8697	L-17.281	L.14771
#2	L-.00726	L-.0150	L-14.264	L5.0075	L-2.2142	L-17.281	L.09073
#3	L.01063	L-.0150	L-.52639	L3.6756	L-5.6809	L-17.281	L.11606

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L

Avge	L40.978	L9.1215	L-.01103	L.00068	L.19809	L-1.4457	L-8.1612
#1	86.255	13.682	L-.01089	L.00082	L.63147	L-2.9243	L-22.443
#2	L24.039	13.682	L-.01110	L.00060	L.31271	L.44437	L7.0483
#3	L12.641	L.00002	L-.01110	L.00060	L-.34992	L-1.8570	L-9.0886

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-3.1552	L1.9285	L-.01399	L.10787	L-1.5201	L1.9973	L-.22287
#1	L-1.9457	L5.0609	L.00280	L.10787	L13.581	L2.2470	L-.19785
#2	L4.3647	L.05540	L-.01567	L.10787	L-29.141	L2.2470	L2.8422
#3	L-11.884	L.66907	L-.02910	L.10787	L11.000	L1.4980	L-3.3129

Elem	Y_3710	Zn2138	Zn4810	2Al308	2Al396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.13360	L-.61239	L.39881	7.5469	-43.991
#1	L.66801	L-.50817	L.56548	-15.068	-24.155
#2	L-.93521	L-.82488	L.25298	-15.205	-68.149
#3	L-.13360	L-.50413	L.37798	52.913	-39.669

Method: SED5_AL Sample Name: MDL / LCS Operator: RD
Run Time: 07/02/97 15:10:07
Comment: RUN 772
Mode: CONC Corr. Factor: 1.32

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	.00463	Q-57.297	224.05	Q30.019	Q9.7562	Q2.6037	Q52.494
#1	.00926	Q-88.945	233.23	Q29.914	Q9.6443	Q5.9627	Q54.020
#2	.00926	Q-49.226	203.63	Q29.757	Q9.8765	Q3.4222	Q50.700
#3	-.00463	Q-33.721	235.29	Q30.386	Q9.7479	Q-1.5738	Q52.763

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	.01291	Q-.0153	Q47.821	Q5.0468	Q25.019	Q-5.8171	.14840
#1	.00561	Q-.0155	Q41.598	Q4.5273	Q22.137	Q-7.4792	.11872
#2	.00898	Q-.0151	Q47.476	Q5.6405	Q25.465	Q-2.4930	.15981
#3	.02413	Q-.0151	Q54.389	Q4.9726	Q27.456	Q-7.4792	.16666

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	Q436.62	Q11.103	-.01305	Q-.00044	Q24.300	Q-3.1647	Q86.495
#1	Q427.21	Q14.804	-.01358	Q-.00098	Q23.831	Q-3.7005	Q76.862
#2	Q415.32	Q3.7009	-.01313	Q-.00052	Q24.535	Q-5.6557	Q80.474
#3	Q467.34	Q14.804	-.01246	Q.00019	Q24.534	Q-.13784	Q102.15

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	-.79655	Q3.2827	-.00484	Q-.35014	Q32.322	Q1.6208	Q-1.8849
#1	-9.1034	Q.72885	-.05147	Q-.58356	Q-1.4609	Q1.6208	Q-2.9082

#2	3.5276	Q6.1684	-.00969	Q-.23342	Q67.030	Q-.00002	Q-3.2929
#3	3.1862	Q2.9508	.04663	Q-.23342	Q31.398	Q3.2416	Q.54632

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	Q-.14455	Q.43259	.56353	4.1614	-47.818
#1	Q-1.4455	Q-.99811	.40896	8.2855	-71.886
#2	Q.72276	Q1.9871	.46693	8.3029	-40.606
#3	Q.28911	Q.30878	.81471	-4.1040	-30.961

Method: SED5_AL Sample Name: 970116S01 Operator: RD
Run Time: 07/02/97 15:14:04
Comment: 970131
Mode: CONC Corr. Factor: 1.22

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.01284	L-17.230	-33.945	L.67907	L-.87891	L-62.766	L-1.0804
#1	L-.05563	L-36.293	-79.431	L.72757	L-1.0916	L-64.510	L-3.4367
#2	L.03423	L-22.966	-39.182	L.87309	L-.57163	L-62.259	L-.50650
#3	L.05991	L7.5688	16.778	L.43654	L-.97347	L-61.528	L.70190

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.02360	L.0022	1024.5	L5.3504	12.160	H67279.	L70.680
#1	L.01530	L.0025	1023.5	8.7116	L5.7307	H67574.	L70.978
#2	L.03320	L.0021	1014.8	L2.5380	14.083	H66954.	L70.345
#3	L.02230	L.0021	1035.3	L4.8017	16.666	H67307.	L70.719

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	91.422	L-.00002	L-.00764	L.00421	10.032	L2.3600	1454.4
#1	94.595	L.00002	L-.00737	L.00450	9.7592	L6.5460	1435.4
#2	90.343	L6.8411	L-.00778	L.00407	10.367	L-5.8312	1460.5
#3	89.329	L-6.8412	L-.00778	L.00407	9.9704	L6.3652	1467.2

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-6.9940	L3.5486	L-.00784	L-.59329	L37.245	L.12482	L1.6877
#1	L-9.2026	L4.1867	L-.04421	L-.53936	L37.649	L-.00001	L1.1087
#2	L-5.4164	L5.3451	L.00112	L-.70117	L19.510	L-.00001	L1.4203
#3	L-6.3629	L1.1140	L.01959	L-.53936	54.577	L.37449	L2.5342

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L.40081	L11.096	L.10417	11.229	-39.356
#1	L-.93521	L10.417	L.02083	-49.047	-48.091
#2	L1.4696	L11.850	L.19941	30.086	-40.326
#3	L.66801	L11.020	L.09226	52.649	-29.651

Method: SED5_AL Sample Name: 97IE06S01 Operator: RD
Run Time: 07/02/97 15:17:44
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.11125	L46.602	-69.923	50.397	L-.43556	41.885	L1.3137
#1	L.18828	L21.762	-89.673	49.621	L-.26137	45.328	L.40672
#2	L.08558	L54.114	-55.174	50.494	L-.43844	43.927	L1.7290
#3	L.05991	L63.930	-64.923	51.076	L-.60686	36.400	L1.8054

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	77.909	H94.49	L-.70452	L4.3558	L.48288	65.670	L.78707
#1	77.576	H93.42	L-.16552	L3.5670	L2.3656	71.430	L.91368
#2	77.512	H93.52	L-1.1301	L4.6988	L4.1609	69.126	L.79340
#3	78.638	H96.52	L-.81790	L4.8017	L-5.0778	56.453	L.65414

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L26.610	54.729	35.811	H37.984	L1.4486	L4.6281	L-16.879
#1	L30.331	54.729	35.600	H37.756	L1.8097	L1.7299	L-19.105
#2	L12.230	54.729	35.598	H37.754	L1.0088	L14.636	L-14.653
#3	L37.269	54.729	36.235	H38.442	L1.5274	L-2.4812	L-16.879

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L2.1034	L2.4416	12.676	94.711	L-8.0764	L2.9960	L-1.7266
#1	12.095	6.6480	12.568	93.956	L-5.3076	L3.7450	L2.3763
#2	L3.4181	L4.2184	12.666	94.280	L-12.534	L3.7450	L-2.7038
#3	L-9.2026	L-3.5415	12.793	95.898	L-6.3871	L1.4980	L-4.8523

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L.26720	29.980	L.39286	98.069	-1.9856
#1	L.66801	29.751	L.50298	165.72	10.470
#2	L.66801	30.530	L.54762	75.499	6.1140
#3	L-.53441	29.661	L.12798	52.982	-22.541

Method: SED5_AL Sample Name: 97IE06S02 Operator: RD
Run Time: 07/02/97 15:20:46
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.08130	L7.5937	-71.078	49.572	L-.66065	53.427	L-.26801
#1	L.08558	L-32.787	-82.125	48.747	L-.65873	54.713	L3.0690

#2	L.09842	L32.040	-47.681	50.348	L-.71636	56.106	L-4.1827
#3	L.05991	L23.528	-83.427	49.621	L-.60686	49.463	L.30962

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	80.032	H98.93	L-2.9415	L2.0236	6.1955	60.293	L.77230
#1	79.396	H97.60	L-.81199	L-1.1661	7.8276	55.301	L.76808
#2	80.271	H99.10	L2.3891	L3.2583	L2.9715	69.126	L.89469
#3	80.429	H100.1	L-10.401	L3.9783	7.7873	56.453	L.65414

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L-2.6609	49.028	36.097	H38.293	L1.0674	L2.5983	L-5.0080
#1	L2.1788	44.467	35.789	H37.960	L1.1778	L8.2184	L-3.5241
#2	L-5.3713	47.888	36.177	H38.379	L.82602	L-.40983	L-7.9757
#3	L-4.7900	54.729	36.325	H38.539	L1.1984	L-.01371	L-3.5241

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L2.5241	L1.6836	16.275	98.702	L-18.885	L3.3705	L.92388
#1	6.2578	L-1.0878	16.123	97.839	L-15.112	L2.2470	L2.7563
#2	L2.4716	L-.11673	16.327	99.134	L-30.010	L5.2430	L-4.0432
#3	L-1.1569	6.2553	16.376	99.134	L-11.533	L2.6215	L4.0585

Elem	Y_3710	Zn2138	Zn4810	ZA1308	ZA1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.26720	L10.881	L.34524	71.567	-17.929
#1	L-.93521	L11.080	L.36012	75.253	-21.853
#2	L.66801	L12.319	L.36905	86.867	-7.9699
#3	L-.53441	L9.2436	L.30655	52.581	-23.965

Method: SED5_AL Sample Name: 971E06D02 Operator: RD
Run Time: 07/02/97 15:23:35
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	A13082	A13961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.05135	L20.099	-54.761	49.524	L-.77485	45.331	L-2.1700
#1	L-.11981	L1.8197	-21.685	50.057	L-1.0417	38.777	L-4.2542
#2	L-.04279	L15.882	-116.89	49.475	L-.62703	47.107	L.54778
#3	L.00856	L42.596	-25.710	49.038	L-.65585	50.109	L-2.8036

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	80.178	H100.8	L-8.1638	L1.9893	L-.98319	50.693	L.68368
#1	80.600	H102.8	L-17.113	L-1.1661	L-5.1002	50.693	L.59083
#2	80.550	H101.5	L1.1011	L.58306	L-3.8369	46.084	L.69545
#3	79.385	H98.10	L-8.4792	6.5508	L5.9875	55.301	L.76175

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L-.31953	45.607	36.342	H38.558	L.53498	L2.6476	L-7.2338
#1	L-14.386	41.047	36.617	H38.855	L-.43540	L7.8783	L-6.8628
#2	L-9.3201	41.047	36.507	H38.737	L.53231	L3.4436	L-11.314
#3	L22.747	54.729	35.902	H38.082	L1.5080	L-3.3792	L-3.5241

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-2.7871	L.32749	16.335	98.972	L4.4270	L.49932	L1.7336
#1	L-4.9431	L-2.8676	16.458	99.619	L-2.7949	L-2.2470	L-2.6137
#2	L2.4716	L-1.8092	16.346	99.458	L10.605	L-.00001	L-.35455
#3	L-5.8897	L5.6592	16.200	97.839	L5.4710	L3.7450	8.1690

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.26720	L6.2943	L.03274	-45.307	-42.906
#1	L-1.7368	L5.9119	L-.30060	-105.41	-62.096
#2	L-1.3360	L5.8930	L.03869	-37.674	-44.073
#3	L2.2712	L7.0779	L.36012	7.1682	-22.549

Method: SED5_AL Sample Name: 971E06503 Operator: RD
Run Time: 07/02/97 15:26:22
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.06846	L-7.7989	-33.737	53.210	L-.65681	40.630	L-.56213
#1	L.08558	L-2.2491	-33.992	53.549	L-.67026	39.316	L4.7628
#2	L.05991	L-13.733	2.9654	52.967	L-.64720	43.215	L-1.4571
#3	L.05991	L-7.4150	-70.183	53.113	L-.65297	39.359	L-4.9921

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	80.170	H99.47	L-4.7521	L2.8124	9.0514	51.461	L.76386
#1	79.873	H98.78	L-7.8386	L3.9785	6.6114	48.388	L.79340
#2	79.808	H98.51	L-3.6884	7.4769	9.6566	52.997	L.74276
#3	80.829	H101.1	L-2.7294	L-3.0182	10.886	52.997	L.75542

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L19.451	52.449	36.453	H38.678	L1.1786	L-1.2954	L-1.6693
#1	L34.728	61.570	36.291	H38.502	L1.5023	L1.8045	L-11.871
#2	L5.9419	54.729	36.276	H38.486	L1.1824	L-7.4929	L6.4918
#3	L17.684	41.047	36.793	H39.045	L.85109	L1.8022	L.37096

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L.15776	L1.1099	15.149	97.192	L3.9267	L2.7463	L-.38721

#1	L-2.1034	L5.9313	15.110	96.869	L4.4469	L3.7450	L1.1551
#2	L-1.9457	L-2.8206	14.999	96.545	L23.991	L3.7450	L-2.3314
#3	L4.5224	L.21912	15.339	98.163	L-16.658	L.74899	L.01460

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.13360	L12.824	L.27679	60.319	-36.097
#1	L-.93521	L12.008	L.40477	75.325	-27.438
#2	L.66801	L14.470	L.26191	52.869	-33.844
#3	L-.13360	L11.995	L.16369	52.764	-47.009

Method: SED5_AL Sample Name: 97IE06603 Operator: RD
Run Time: 07/02/97 15:29:17
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.05991	L10.531	-40.940	52.822	L-.56972	43.169	L-1.6751
#1	L.05991	L13.141	-40.446	53.113	L-.42403	40.889	L-3.3451
#2	L.08558	L20.969	-49.071	54.568	L-.59181	52.286	L-1.5761
#3	L.03423	L-2.5177	-33.304	50.785	L-.69331	42.333	L-.10404

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	79.922	H99.17	L-4.8553	L.89174	7.6444	59.525	L.82716
#1	80.140	H99.32	L-4.6457	L2.6409	7.2128	66.822	L.76175
#2	80.548	H100.5	L-7.1954	L-1.4748	9.7036	56.453	L.87570
#3	79.079	H97.72	L-2.7248	L1.5091	6.0167	55.301	L.84405

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L-15.586	59.290	36.395	H38.615	L1.3866	L.21650	L-5.7499
#1	L13.955	61.570	36.488	H38.716	L1.8371	L-4.2839	L-6.8628
#2	L-39.248	54.729	36.678	H38.921	L.50040	L-.16428	L-10.201
#3	L-21.464	61.570	36.018	H38.207	L1.8222	L5.0977	L-.18548

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L.15776	L.57050	15.181	97.354	L17.490	L3.9946	L-.38523
#1	L-5.4164	L1.5436	15.221	97.678	L-5.3362	L4.4940	L-1.5565
#2	L3.1026	L-.09289	15.322	98.163	40.999	L2.9960	L-1.1773
#3	L2.7871	L.26082	15.001	96.221	L16.808	L4.4940	L1.5781

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.26720	L12.462	L.52679	52.781	-26.465
#1	L1.4696	L14.169	L.52084	52.834	-31.070
#2	L-1.3360	L12.447	L.52084	75.431	-22.254

#3	L-.93521	L10.770	L.53869	30.079	-26.071

Method: SED5_AL Sample Name: 971E06S03 Operator: RD
Run Time: 07/02/97 15:32:00
Comment: 970311
Mode: CONC Corr. Factor: 1.52

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.92763	803.47	-39.287	256.84	9.5186	833.81	48.989
#1	L.84233	778.85	-45.188	257.08	9.3488	829.88	46.402
#2	L.93830	839.76	-13.326	257.26	9.6124	835.56	50.181
#3	L1.0023	791.80	-59.346	256.17	9.5945	835.99	50.384

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	131.89	C.0000	96.163	99.607	62.583	H905.26	L2.1426
#1	132.07	C.0000	88.997	99.180	65.873	H901.44	L2.0927
#2	132.06	C.0000	99.348	101.10	61.313	H907.18	L2.1479
#3	131.53	C.0000	100.15	98.539	60.564	H907.18	L2.1873

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	806.00	133.53	62.171	H66.464	105.38	101.55	142.12
#1	809.68	127.85	62.272	H66.576	105.80	104.90	141.20
#2	796.70	136.37	62.258	H66.560	105.38	105.72	145.36
#3	811.63	136.37	61.984	H66.258	104.96	94.039	139.81

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	19.262	49.498	66.274	1097.1	408.17	104.98	49.657
#1	18.410	56.588	66.409	1099.6	391.07	104.05	51.150
#2	24.700	42.869	66.444	1099.8	459.04	104.52	53.644
#3	14.676	49.038	65.968	1091.8	374.41	106.38	44.177

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	49.437	H426.73	L.91219	814.81	732.17
#1	48.771	H422.04	L.62666	739.61	720.70
#2	48.771	H428.40	L.98264	824.02	736.58
#3	50.769	H429.74	L1.1273	880.80	739.23

Method: SED5_AL Sample Name: 971E06B03 Operator: RD
Run Time: 07/02/97 15:35:11
Comment: 970311
Mode: CONC Corr. Factor: 1.23

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.09491	L-7.6911	-16.228	53.353	L-.51897	45.709	L9.4779

#1	L.03451	L-20.377	-29.200	52.081	L-.62636	41.310	L4.2800
#2	L.16393	L-17.328	-2.3058	53.255	L-.70480	46.926	12.604
#3	L.08628	L14.631	-17.179	54.722	L-.22574	48.892	11.549

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	80.459	H99.66	L-2.5351	L1.0028	8.3119	56.916	L.79778
#1	80.865	H100.9	L-10.485	L-1.9018	6.6271	56.916	L.69141
#2	80.122	H99.07	L1.1184	L3.5962	7.9234	56.916	L.86373
#3	80.391	H98.98	L1.7612	L1.3140	10.385	56.916	L.83820

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L53.133	50.579	36.658	H38.894	L1.2386	L-2.6034	L-16.082
#1	L27.919	55.177	36.887	H39.141	L.70484	L3.2222	L-15.895
#2	93.695	48.280	36.520	H38.744	L1.1714	L-6.8007	L-16.456
#3	L37.785	48.280	36.567	H38.795	L1.8395	L-4.2317	L-15.895

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-1.9086	L2.5981	15.163	97.880	L25.754	L5.5376	L.47618
#1	L-.84828	L-1.5353	15.270	98.641	L32.997	L3.7757	L-4.7526
#2	L-11.187	L5.3423	15.078	97.663	40.293	L4.5308	L2.9909
#3	6.3091	L3.9872	15.141	97.336	L3.9723	L8.3065	L3.1903

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.67349	L13.240	L.52511	83.573	-33.689
#1	L-2.5592	L12.120	L.40809	30.612	-45.867
#2	L-.13470	L13.648	L.51610	144.26	-25.247
#3	L.67349	L13.952	L.65113	75.851	-29.953

Method: SED5_AL Sample Name: 97IE06604 Operator: RD
Run Time: 07/02/97 15:39:00
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L.05135	L22.292	-68.119	58.157	L-.77635	69.980	L-3.1485
#1	L.05991	L32.733	-94.714	58.351	L-.91937	70.009	L-4.4423
#2	L.00856	L13.669	-62.405	57.915	L-.69331	67.689	L-2.2650
#3	L.08558	L20.473	-47.238	58.206	L-.71636	72.242	L-2.7381

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	94.157	C91.44	L-3.6825	L3.0182	L4.3875	59.909	L.85671
#1	95.027	C.0000	L-7.1978	L2.6409	L2.9491	56.453	L.83138
#2	93.640	H136.7	L-3.3637	L1.6120	L3.5662	66.822	L.84405

#3	93.804	H137.7	L-.48596	L4.8017	6.6472	56.453	L.89469

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L12.792	47.888	40.003	H42.524	L.83286	L.90378	L-16.137
#1	L-13.352	54.729	40.366	H42.918	L1.8245	L-.33156	L-19.105
#2	L-6.6310	41.047	39.804	H42.308	L.17707	L-2.0580	L-22.443
#3	L58.359	47.888	39.839	H42.346	L.49698	L5.1009	L-6.8628

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-5.4690	L2.5952	28.526	138.72	L12.694	L2.9960	L.40296
#1	L-6.8362	L.23291	28.670	139.91	L-11.497	L2.2470	L-.78915
#2	L-8.7293	L4.5836	28.451	137.97	L24.527	L2.2470	L-1.1554
#3	L-.84138	L2.9690	28.456	138.29	L25.051	L4.4940	L3.1534

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L.93521	153.06	L.46429	45.208	-56.191
#1	L.66801	152.09	L.37798	52.799	-58.737
#2	L-.13360	152.86	L.50298	7.5887	-67.027
#3	L2.2712	154.23	L.51191	75.235	-42.808

Method: SE05_AL Sample Name: 971E06R01 Operator: RD
Run Time: 07/02/97 15:42:25
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.20967	L-48.951	-22.096	L.09701	L-.81873	L-2.0359	L-3.5094
#1	L-.24818	L-55.762	-59.184	L-.72757	L-.89024	L-6.3758	L-3.4718
#2	L-.19684	L-71.006	-25.923	L1.0186	L-.81179	L2.7519	L-2.9472
#3	L-.18400	L-20.084	18.821	L.00000	L-.75416	L-2.4839	L-4.1093

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L-.00519	L.0243	L-2.1421	L1.6806	L-4.7812	L-31.491	L-.23844
#1	L-.00882	L.0294	L-.22601	L-2.8124	L-5.3983	L-35.715	L-.25110
#2	L.00207	L.0232	L-1.4995	L3.2583	L-8.4323	L-35.715	L-.16881
#3	L-.00882	L.0202	L-4.7006	L4.5959	L-.51301	L-23.042	L-.29542

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L2.3133	L-15.963	L-.00101	L.01113	L-2.4796	L-1.5503	L-6.8628
#1	L2.9016	L-20.523	L.00134	L.01359	L-2.5870	L.75188	L-12.427
#2	L-20.402	L-6.8412	L-.00156	L.01056	L-2.2728	L-3.0264	L-6.8628
#3	L24.441	L-20.523	L-.00281	L.00926	L-2.5791	L-2.3764	L-1.2984

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924

Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-7.4147	L1.6683	L-.10801	L-1.8338	L19.166	L-5.9920	L-4.6371
#1	L-3.6810	L3.2219	L-.13624	L-1.8338	L2.1831	L-5.2430	L-5.0810
#2	L-15.355	L-3.4537	L-.08451	L-1.8338	L-11.695	L-6.7410	L-5.6702
#3	L-3.2078	L5.2368	L-.10130	L-1.8338	67.011	L-5.9920	L-3.1601

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.66801	L-3.8065	L-.52382	-184.47	-137.61
#1	L-2.5384	L-4.1623	L-.59525	-218.37	-144.75
#2	L1.4696	L-3.8513	L-.46132	-173.12	-136.78
#3	L-.93521	L-3.4059	L-.51489	-161.92	-131.29

Method: SED5_AL Sample Name: INSTR BLANK 2 Operator: RD
Run Time: 07/02/97 15:45:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Al3961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	L-.12627	L-14.724	-25.858	L.23855	L-.28520	L-5.4853	L.70430
#1	L-.03507	L-2.9763	-12.592	L.00000	L-.09483	L-3.0173	L.72011
#2	L-.16134	L-30.640	-82.798	L.00000	L-.37566	L-7.4949	L.39789
#3	L-.18239	L-10.555	17.815	L.71565	L-.38511	L-5.9438	L.99489

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	L.00893	L.0097	L-2.3602	L1.3775	L-.69403	L-14.165	L-.06918
#1	L.02083	L.0115	L-2.2657	L2.8394	L-1.3146	L-2.8330	L.06918
#2	L-.00085	L.0093	L-4.1100	L-.70282	L2.6255	L-18.887	L-.14875
#3	L.00680	L.0085	L-.70490	L1.9960	L-3.3930	L-20.776	L-.12799

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	L17.178	L-1.8692	L-.00542	L.00434	L-.97643	L3.2542	L-8.8179
#1	L24.461	L5.6075	L-.00451	L.00528	L-.01245	L4.6787	L-4.2569
#2	L25.493	L-5.6076	L-.00570	L.00404	L-1.4566	L4.5975	L-7.4496
#3	L1.5788	L-5.6076	L-.00604	L.00369	L-1.4603	L.48635	L-14.747

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	L-6.4655	L2.2718	L-.08166	L-.88419	L10.111	L-2.6604	L.56888
#1	L-3.6638	L1.6479	L-.01284	L-.17684	L-4.9064	L-.00001	L-1.7688
#2	L-4.6983	L1.0670	L-.11056	L-1.2379	L20.781	L-4.2975	L1.2476
#3	L-11.034	L4.1006	L-.12157	L-1.2379	L14.459	L-3.6836	L2.2279

Elem	Y_3710	Zn2138	Zn4810	2A1308	2A1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	L-.10951	L-2.6016	L-.09026	-111.24	-56.860

#1	L-.76657	L-.42468	L.13417	-30.814	-19.285
#2	L.54755	L-3.4485	L-.15857	-142.16	-79.780
#3	L-.10951	L-3.9316	L-.24639	-160.74	-71.514

Method: SED5_AL Sample Name: AQC EV1&2 2 Operator: RD
Run Time: 07/02/97 15:48:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	A13082	A13961	As1936	Ba4934	Be2348	B_2496	Cd2288
Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	6.2642	5139.6	5151.9	5119.2	5052.5	5113.6	5132.2
#1	6.2256	5088.5	5129.0	5090.7	5030.6	5095.7	5111.9
#2	6.3203	5155.5	5162.8	5130.7	5062.4	5130.6	5155.8
#3	6.2467	5174.7	5163.8	5136.1	5064.5	5114.6	5128.8

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	5.3532	5.032	5079.9	5139.9	5195.8	5095.4	7.0810
#1	5.3268	4.999	5036.5	5128.6	5165.8	5076.8	7.0896
#2	5.3708	5.046	5119.6	5152.5	5216.5	5113.6	7.1052
#3	5.3619	5.051	5083.7	5138.6	5204.9	5095.7	7.0481

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	5091.0	5202.8	4.9527	5.1922	5058.3	5139.0	5232.5
#1	5077.5	5175.7	4.9261	5.1643	5032.8	5112.8	5212.2
#2	5121.7	5200.9	4.9693	5.2096	5073.2	5155.0	05273.3
#3	5073.8	5231.8	4.9627	5.2027	5068.9	5149.1	5212.2

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	-3.5776	497.32	-.08349	5201.8	5028.8	5076.9	5065.7
#1	-.56034	491.12	-.07753	5170.5	5016.6	5043.4	5031.0
#2	-8.7069	502.31	-.06514	5212.7	5048.2	5097.8	5078.8
#3	-1.4655	498.54	-.10780	5222.1	5021.6	5089.5	5087.3

Elem	Y_3710	Zn2138	Zn4810	ZA1308	ZA1396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	Q-.76657	5093.2	4.9181	5289.0	5271.9
#1	Q.54755	5077.5	5.0084	5256.6	5236.8
#2	Q-.76657	5095.2	5.0523	5337.8	5292.4
#3	Q-2.0807	5107.0	4.6937	5272.6	5286.7

Method: SED5_AL Sample Name: HIGH AQC EV3 2 Operator: RD
Run Time: 07/02/97 15:51:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	A13082	A13961	As1936	Ba4934	Be2348	B_2496	Cd2288

Units	mg/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Avge	102.39	97904.	5.5348	2.2662	-.41178	-64.106	-1.5458
#1	102.21	97843.	-22.976	2.0277	-.54196	-58.499	-1.3902
#2	102.12	97556.	-22.649	1.5506	-.43697	-64.379	.00541
#3	102.85	98312.	62.229	3.2204	-.25640	-69.441	-3.2527

Elem	Ca3158	Ca3933	Cr2055	Co2286	Cu3247	Fe2599	Fe2714
Units	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	mg/L
Avge	102.84	C.0000	-1.8716	3.4298	.04943	96044.	101.78
#1	102.69	C.0000	-7.9862	3.8515	.50504	95885.	101.65
#2	102.76	C.0000	8.2560	.89961	-2.4417	95980.	101.84
#3	103.07	C.0000	-5.8826	5.5382	2.0850	96269.	101.86

Elem	Pb2203	Li6707	Mg279H	Mg279L	Mn2576	Mo2020	Ni2316
Units	ug/L	ug/L	mg/L	mg/L	ug/L	ug/L	ug/L
Avge	11.211	57.944	62.032	67.571	17.095	7.9496	-3.8008
#1	9.3372	56.075	61.894	67.410	17.028	1.4917	-14.747
#2	-21.348	56.075	61.939	67.463	16.995	13.504	-3.8008
#3	45.645	61.682	62.264	67.840	17.261	8.8533	7.1456

Elem	K_7664	Ag3280	Na5889	Sr4215	Sn1899	Ti3349	V_2924
Units	mg/L	ug/L	mg/L	ug/L	ug/L	ug/L	ug/L
Avge	141.38	1.7127	103.45	1.7684	-10.047	9.0043	.71440
#1	144.78	.09298	103.48	1.9452	-14.711	8.5950	-1.9382
#2	132.37	-.93109	103.09	1.6800	10.636	9.2090	-.07449
#3	146.98	5.9763	103.79	1.6800	-26.067	9.2090	4.1559

Elem	Y_3710	Zn2138	Zn4810	2Al308	2Al396
Units	ug/L	ug/L	mg/L	ug/L	ug/L
Avge	3.5043	96787.	99.082	90189.	100780.
#1	3.5043	96645.	99.023	90025.	100730.
#2	3.1758	96666.	98.921	89951.	100390.
#3	3.8328	97051.	99.301	90590.	101230.

Run 774K
3 July 97

Method: KONLY Standard: blank

Elem	K_7664
Avge	.40940
SDev	.00503
%RSD	1.2288
#1	.40580
#2	.40440
#3	.41300
#4	.41440

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY Standard: ten2

Elem	K_7664
Avge	2.4261
SDev	.0167
%RSD	.68953
#1	2.4194
#2	2.4412
#3	2.4382
#4	2.4056

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
K_7664	766.490	ten2	blank	49.5860	-20.3005	07/03/97 09:46:43

Method: KONLY Sample Name: HIGH AQC EV3 1 Operator: RD
Run Time: 07/03/97 09:48:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	K_7664
Units	Mg/L
Avge	103.07
SDev	.28
%RSD	.26785
#1	103.26
#2	103.33
#3	102.72
#4	102.99
Errors	NOCHECK
Value	
Range	

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY Sample Name: INSTR BLANK 1 Operator: RD
Run Time: 07/03/97 09:51:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	K_7664
Units	Mg/L
Avge	.45867
SDev	.22416
%RSD	48.872
#1	.17851
#2	.64462
#3	.63470
#4	.37685

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--

#1	5000	---	---	---	---	---	---
#2	5000	---	---	---	---	---	---
#3	5000	---	---	---	---	---	---
#4	5000	---	---	---	---	---	---

Method: KONLY Sample Name: MDL / LCS Operator: RD
Run Time: 07/03/97 09:53:12
Comment: RUN 772
Mode: CONC Corr. Factor: 1.32

Elem	K_7664
Units	Mg/L
Avge	.77563
SDev	.27777
%RSD	35.813
#1	.49745
#2	1.0080
#3	.57599
#4	1.0211
Errors	NOCHECK
Value	
Range	

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	---	---	---	---	---	---	---
Wavlen	---	---	---	---	---	---	---
Avge	5000	---	---	---	---	---	---
SDev	.0000000	---	---	---	---	---	---
%RSD	.0000000	---	---	---	---	---	---
#1	5000	---	---	---	---	---	---
#2	5000	---	---	---	---	---	---
#3	5000	---	---	---	---	---	---
#4	5000	---	---	---	---	---	---

Method: KONLY Sample Name: DIGESTION BLANK Operator: RD
Run Time: 07/03/97 09:55:46
Comment: RUN 772
Mode: CONC Corr. Factor: 1.22

Elem	K_7664
Units	Mg/L
Avge	.53841
SDev	.21222
%RSD	39.417
#1	.50816
#2	.38717
#3	.84693
#4	.41137

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY Sample Name: 970I16S01 Operator: RD
Run Time: 07/03/97 09:58:08
Comment: 970131
Mode: CONC Corr. Factor: 1.22

Elem	K_7664
Units	Mg/L
Avge	.00605
SDev	.19621
%RSD	3242.8
#1	.27828
#2	.00000
#3	-.07259
#4	-.18148

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY Sample Name: 97IE06S01 Operator: RD
Run Time: 07/03/97 10:00:34
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	K_7664
Units	Mg/L
Avge	3.4815
SDev	.3106
%RSD	8.9207
#1	3.3756
#2	3.7991

#3	3.0973
#4	3.6539

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY Sample Name: 97IE06S02 Operator: RD
Run Time: 07/03/97 10:02:41
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	K_7664
Units	Mg/L
Avge	3.6146
SDev	.1566
%RSD	4.3332
#1	3.5087
#2	3.5450
#3	3.5571
#4	3.8475

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY Sample Name: 97IE06D02 Operator: RD
Run Time: 07/03/97 10:04:40
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	K_7664
Units	Mg/L
Avge	3.8535
SDev	.4021
%RSD	10.434

#1	3.4845
#2	3.9038
#3	3.6418
#4	4.4040

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY Sample Name: 971E06S03 Operator: RD
Run Time: 07/03/97 10:06:59
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	K_7664
Units	Mg/L
Avge	3.6993
SDev	.2550
%RSD	6.8936
#1	3.3877
#2	4.0048
#3	3.7507
#4	3.6539

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY Sample Name: 971E06S03 Operator: RD
Run Time: 07/03/97 10:08:53
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	K_7664
Units	Mg/L

Avge	3.9049
SDev	.1962
%RSD	5.0239
#1	4.0774
#2	3.6297
#3	4.0048
#4	3.9080

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY Sample Name: 97IE06803 Operator: RD
Run Time: 07/03/97 10:10:51
Comment: 970311
Mode: CONC Corr. Factor: 1.52

Elem	K_7664
Units	Mg/L
Avge	30.239
SDev	.341
%RSD	1.1287
#1	30.676
#2	29.967
#3	30.344
#4	29.967

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY Sample Name: 97IE06803 Operator: RD
Run Time: 07/03/97 10:12:48
Comment: 970311

Mode: CONC Corr. Factor: 1.23

Elem	K_7664
Units	Mg/L
Avge	4.0681
SDev	.2285
%RSD	5.6177
#1	4.1352
#2	3.7692
#3	4.3181
#4	4.0498

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY Sample Name: 97IE06S04 Operator: RD
Run Time: 07/03/97 10:14:54
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	K_7664
Units	Mg/L
Avge	4.5432
SDev	.1588
%RSD	3.4960
#1	4.4403
#2	4.7549
#3	4.4040
#4	4.5734

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	--	--	--	--	--	--	--
Wavlen	--	--	--	--	--	--	--
Avge	5000	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	5000	--	--	--	--	--	--
#2	5000	--	--	--	--	--	--
#3	5000	--	--	--	--	--	--
#4	5000	--	--	--	--	--	--

Method: KONLY Sample Name: 97IE06R01 Operator: RD
Run Time: 07/03/97 10:17:47
Comment: 970311
Mode: CONC Corr. Factor: 1.22

Elem	K_7664
Units	Mg/L
Avge	.84088
SDev	.30199
%RSD	35.914
#1	.45976
#2	1.1736
#3	.95582
#4	.77434

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	---	---	---	---	---	---	---
Wavlen	---	---	---	---	---	---	---
Avge	5000	---	---	---	---	---	---
SDev	.00000000	---	---	---	---	---	---
%RSD	.00000000	---	---	---	---	---	---
#1	5000	---	---	---	---	---	---
#2	5000	---	---	---	---	---	---
#3	5000	---	---	---	---	---	---
#4	5000	---	---	---	---	---	---

Method: KONLY Sample Name: HIGH AQC EV3 2 Operator: RD
Run Time: 07/03/97 10:19:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	K_7664
Units	Mg/L
Avge	106.10
SDev	1.02
%RSD	.96584
#1	106.52
#2	106.98
#3	106.28
#4	104.63
Errors	NOCHECK
Value	
Range	

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	---	---	---	---	---	---	---
Wavlen	---	---	---	---	---	---	---
Avge	5000	---	---	---	---	---	---
SDev	.00000000	---	---	---	---	---	---
%RSD	.00000000	---	---	---	---	---	---

#1	5000	---	---	---	---	---	---
#2	5000	---	---	---	---	---	---
#3	5000	---	---	---	---	---	---
#4	5000	---	---	---	---	---	---

Method: KONLY Sample Name: INSTR BLANK 2 Operator: RD
Run Time: 07/03/97 10:22:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	K_7664
Units	Mg/L
Avge	.99172
SDev	.03339
%RSD	3.3665
#1	1.0116
#2	1.0016
#3	.94213
#4	1.0116

IntStd	1	2	3	4	5	6	7
Mode	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	---	---	---	---	---	---	---
Wavlen	---	---	---	---	---	---	---
Avge	5000	---	---	---	---	---	---
SDev	.0000000	---	---	---	---	---	---
%RSD	.0000000	---	---	---	---	---	---
#1	5000	---	---	---	---	---	---
#2	5000	---	---	---	---	---	---
#3	5000	---	---	---	---	---	---
#4	5000	---	---	---	---	---	---